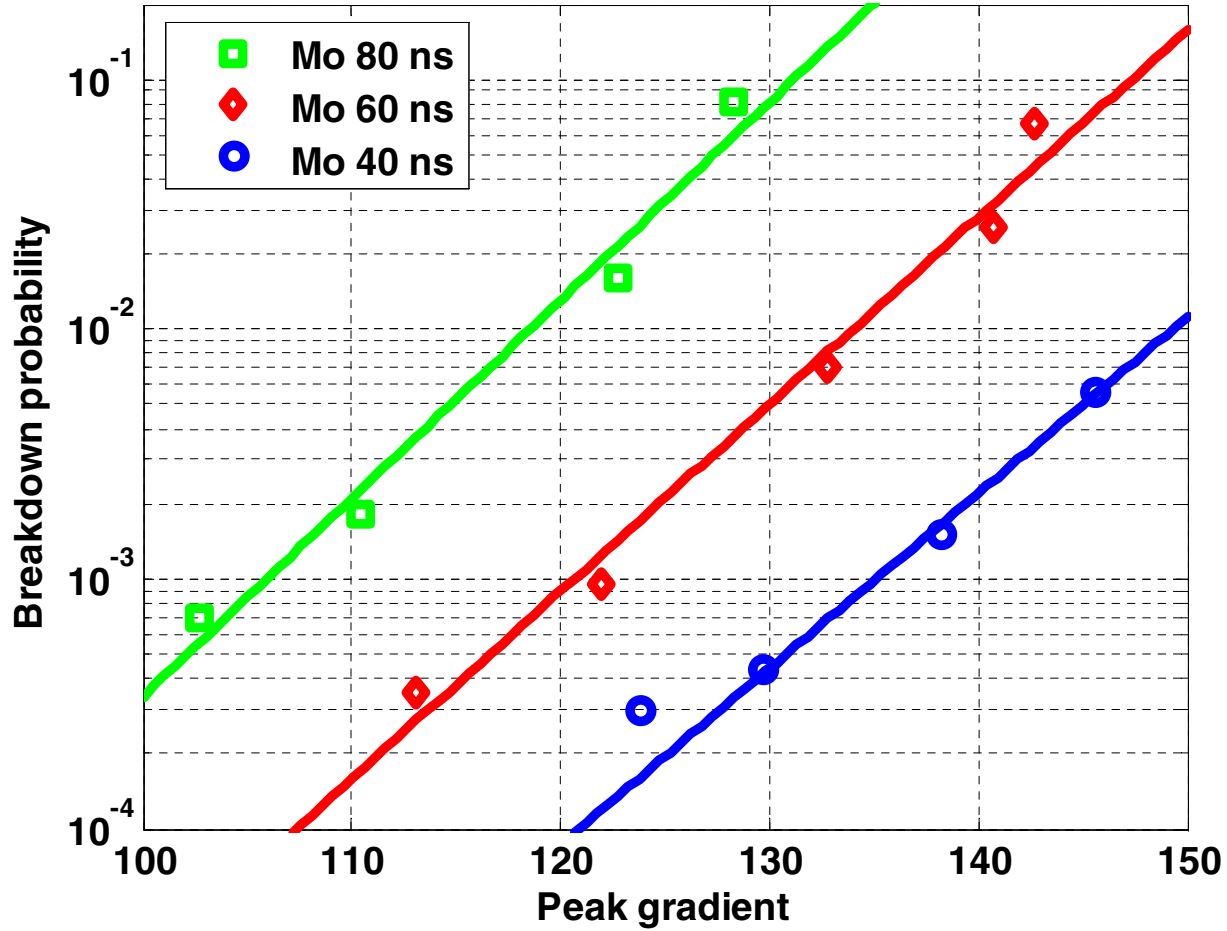


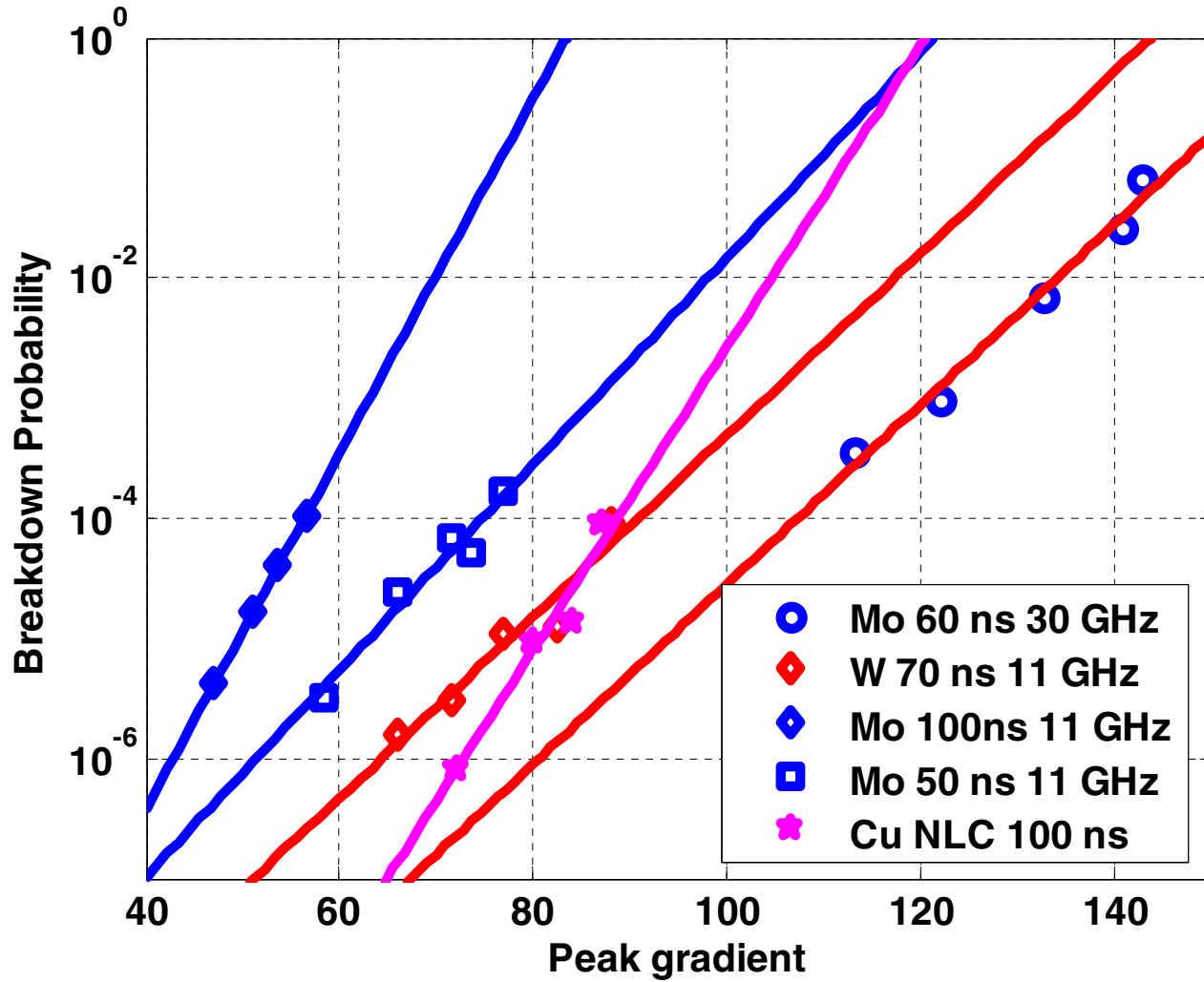
# Some 30 GHz results

## Breakdown Rates for the 3.5 mm Mo-Iris Structure



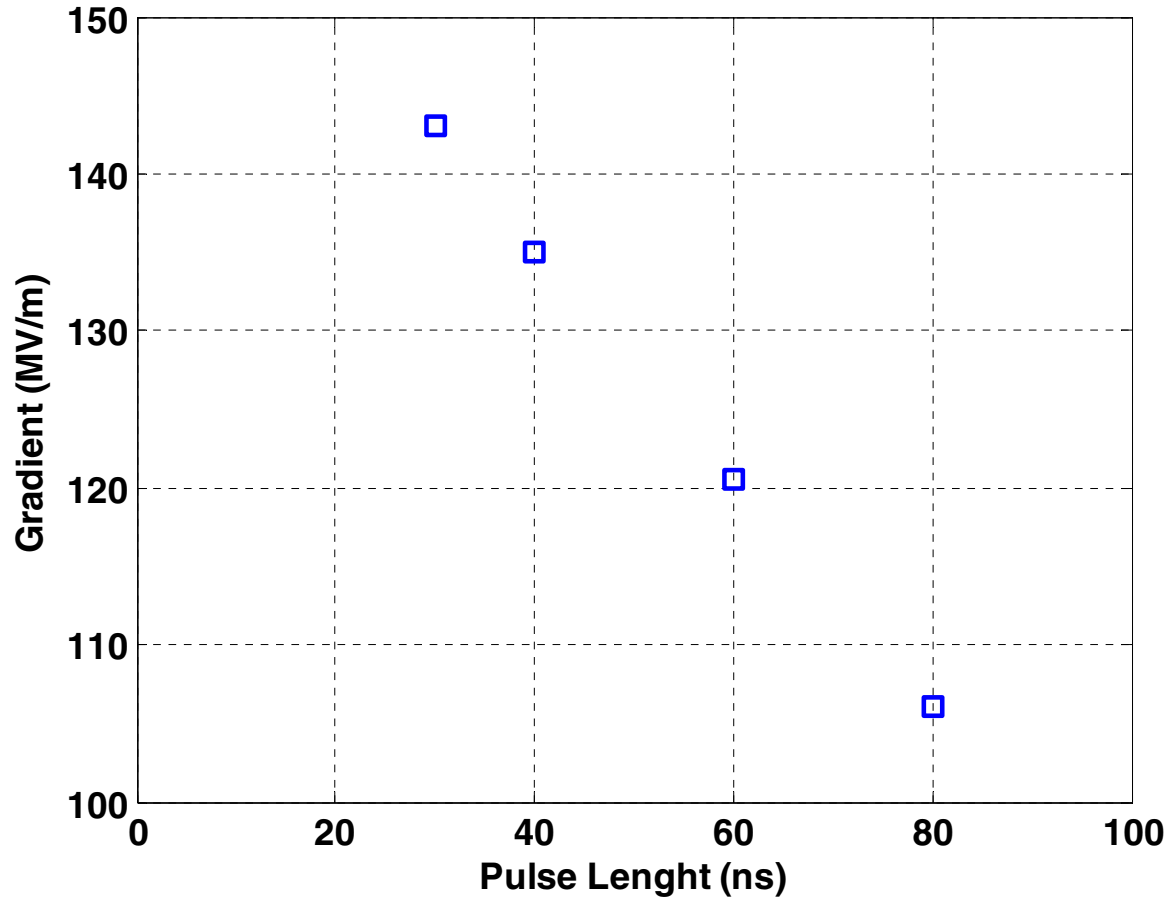
# Some 30 GHz results

Relation to other results



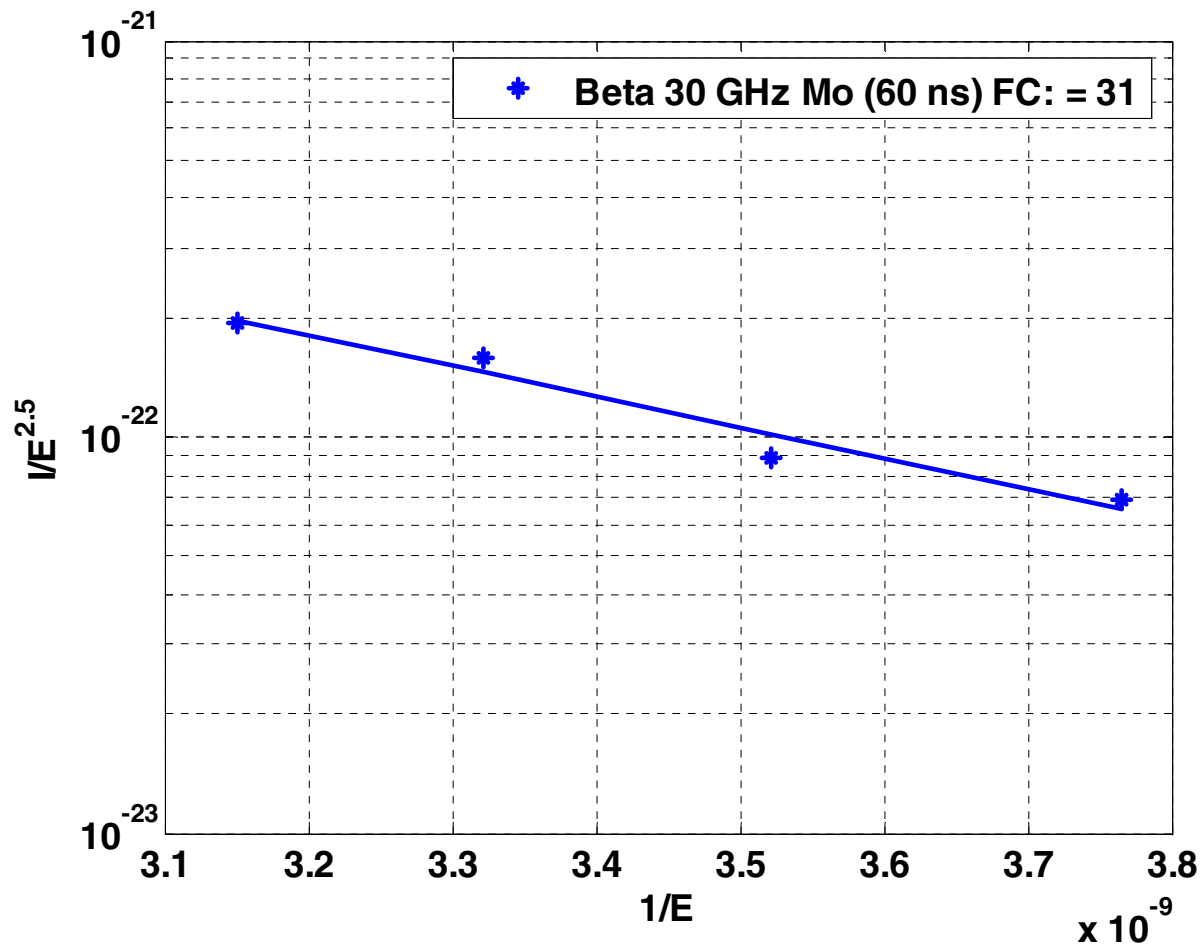
## Some 30 GHz results

Pulse Length Dependence at 1 ‰ Breakdown Probability



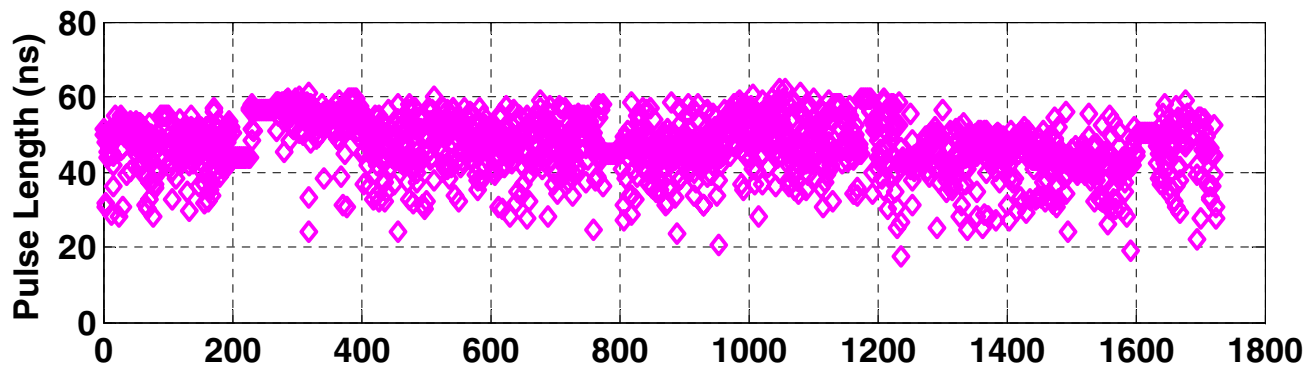
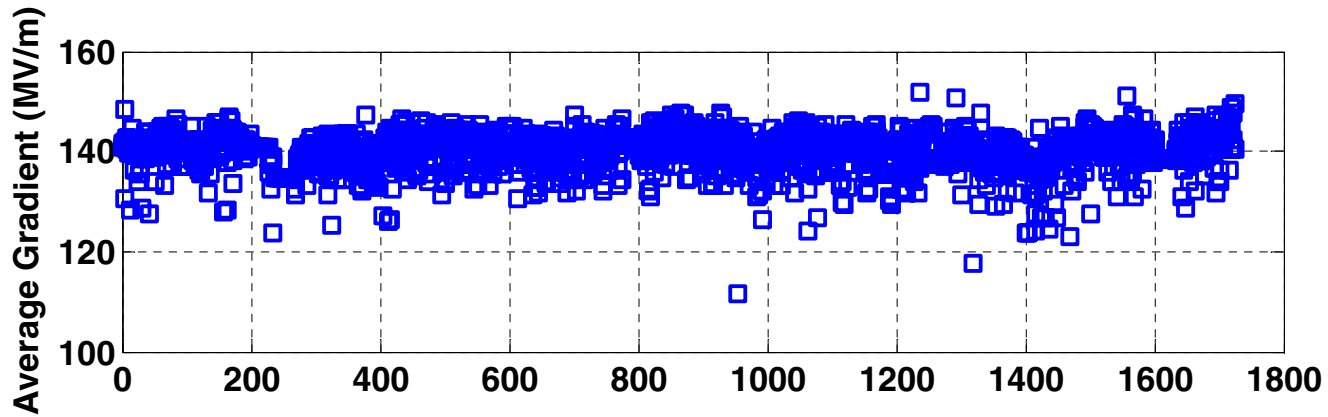
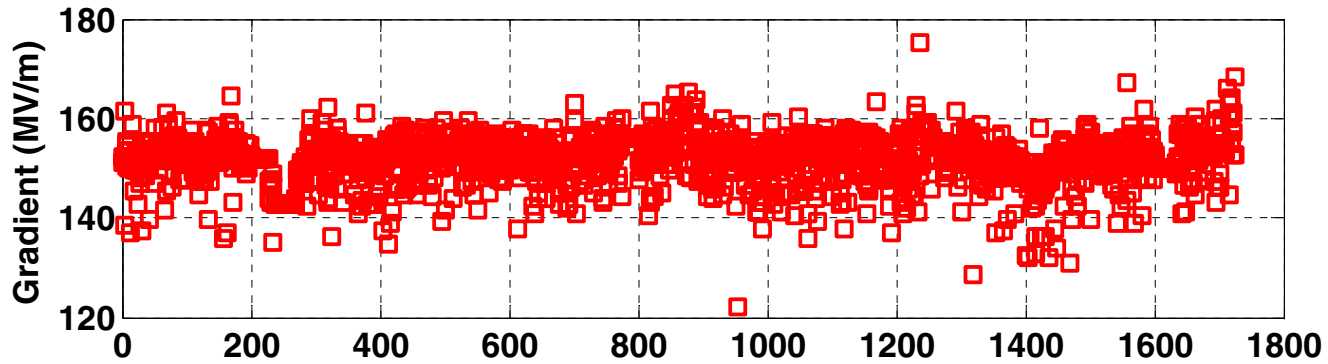
# Some 30 GHz results

Quick beta measurement using the Faraday Cups

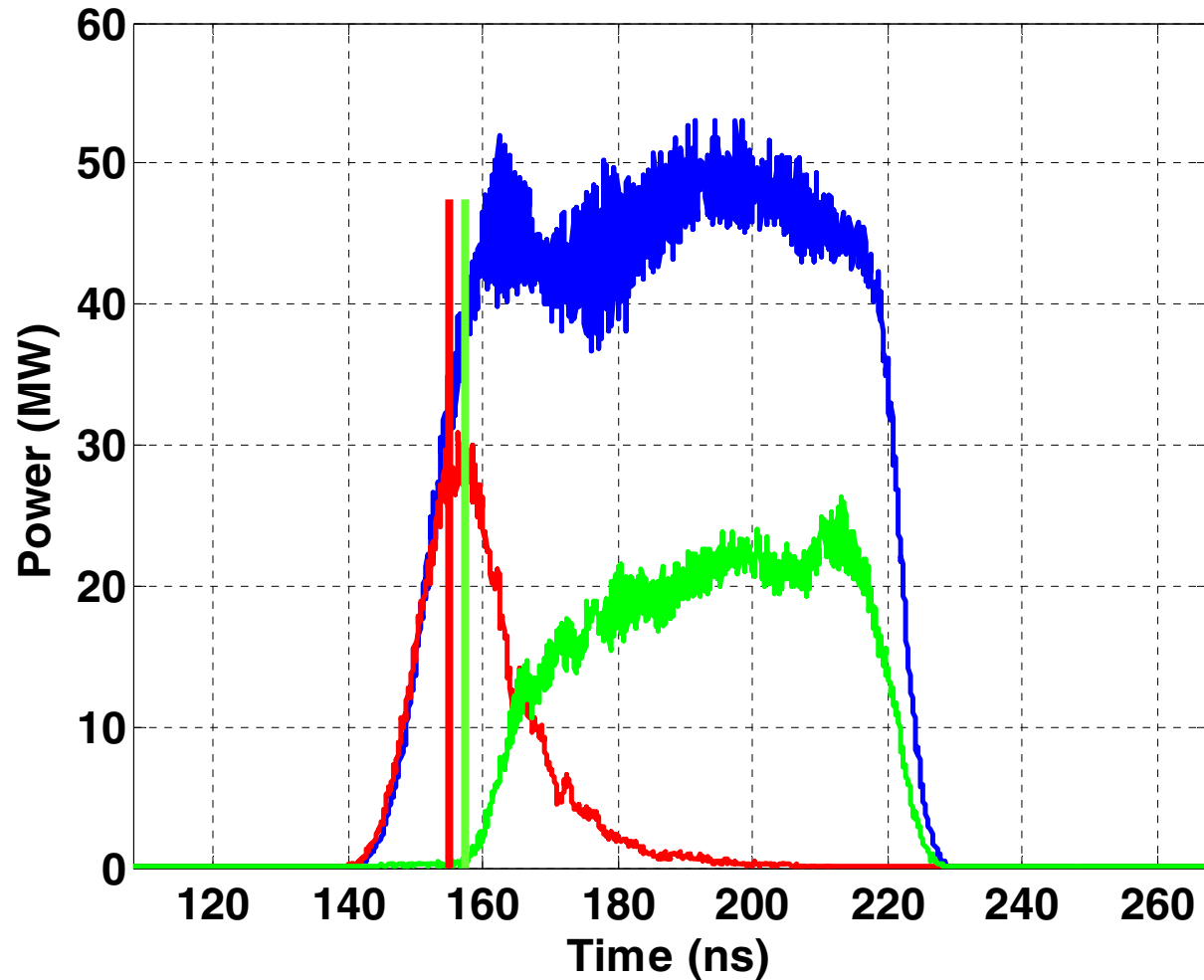


# Mo-structure data analysis

ScWf<sub>0101894</sub>.mat



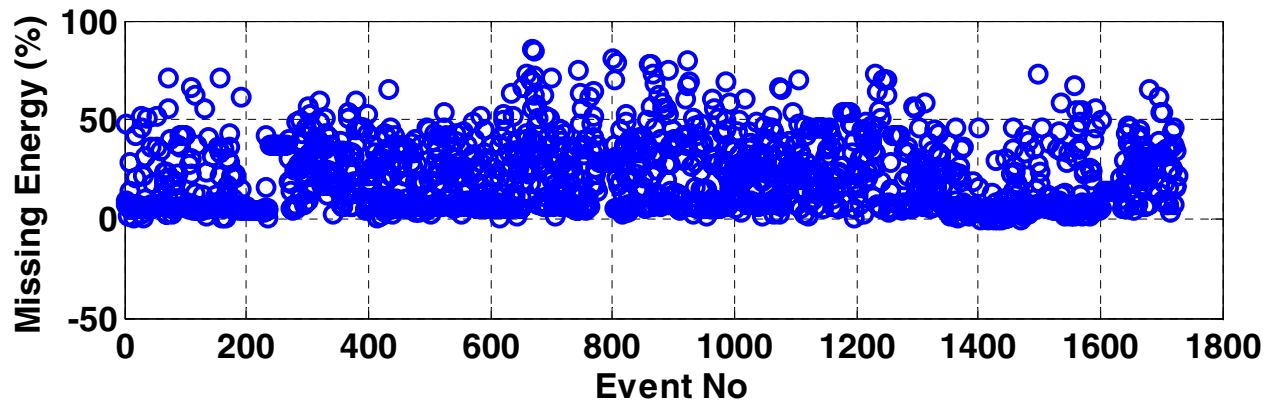
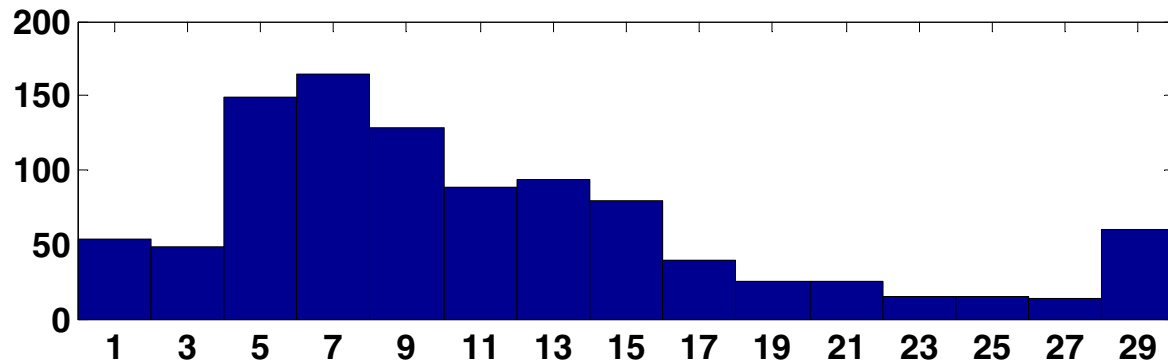
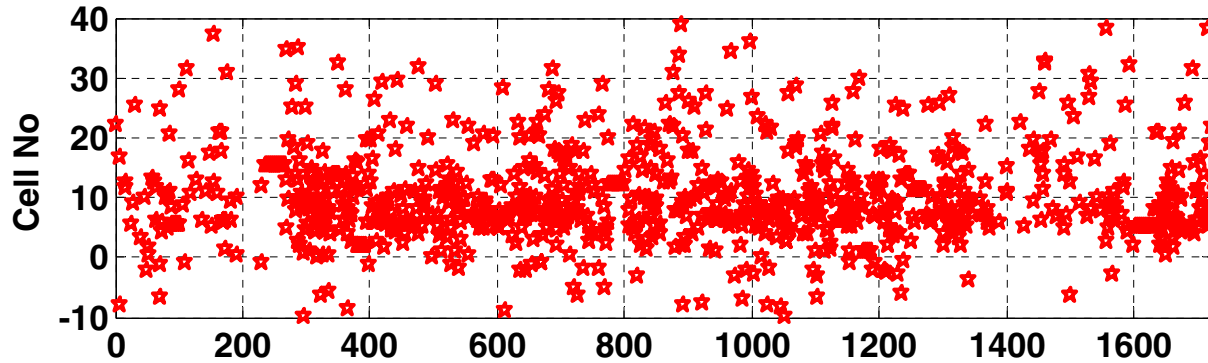
# Mo-structure data analysis



RF Timing to determine the breakdown location

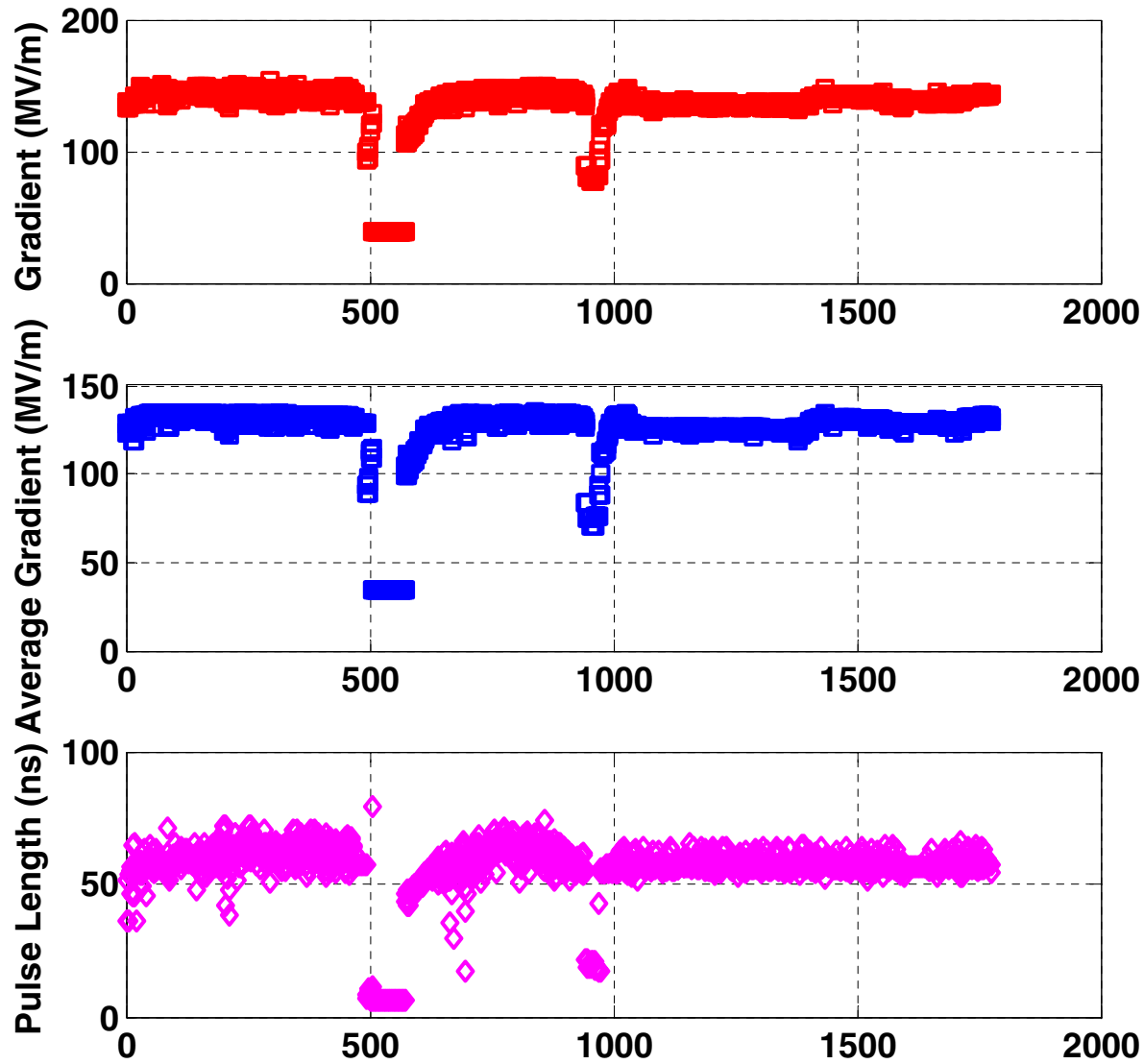
# Mo-structure data analysis

ScWf<sub>0101894</sub>.mat



# Mo-structure data analysis

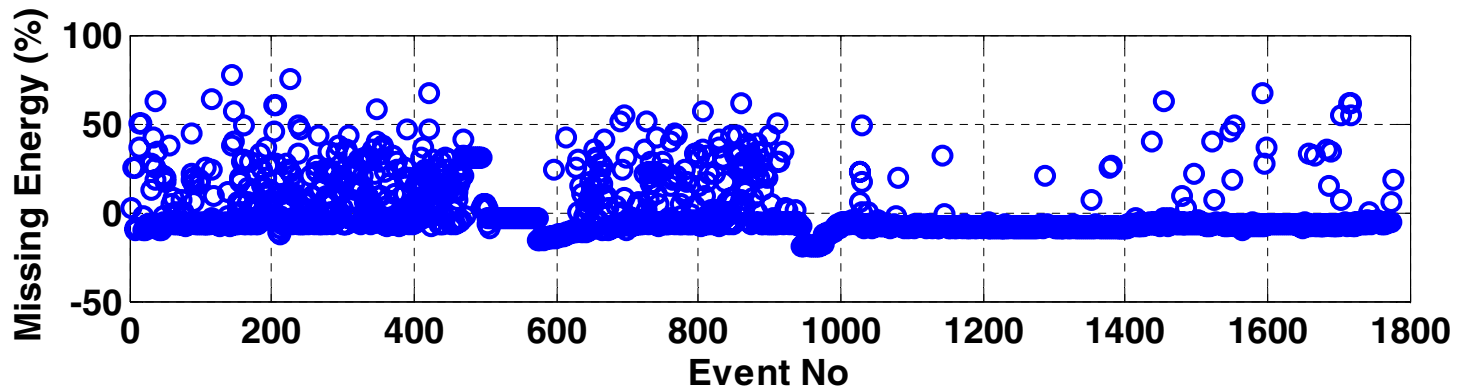
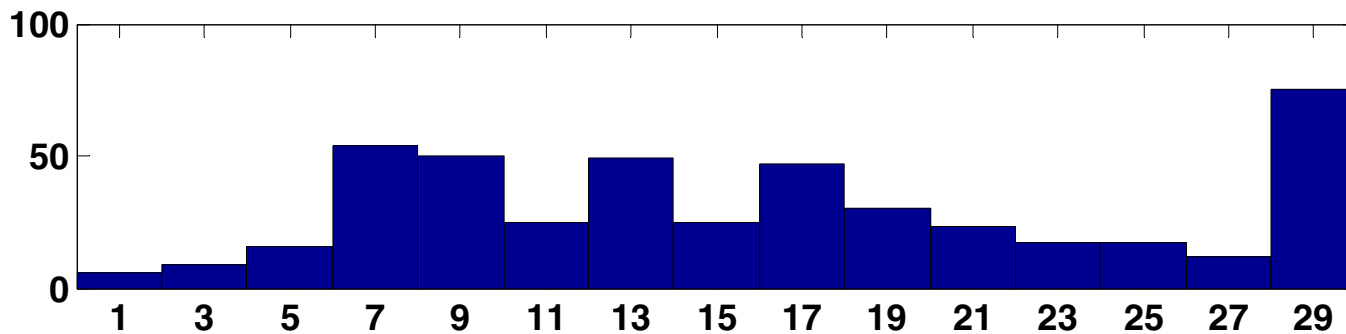
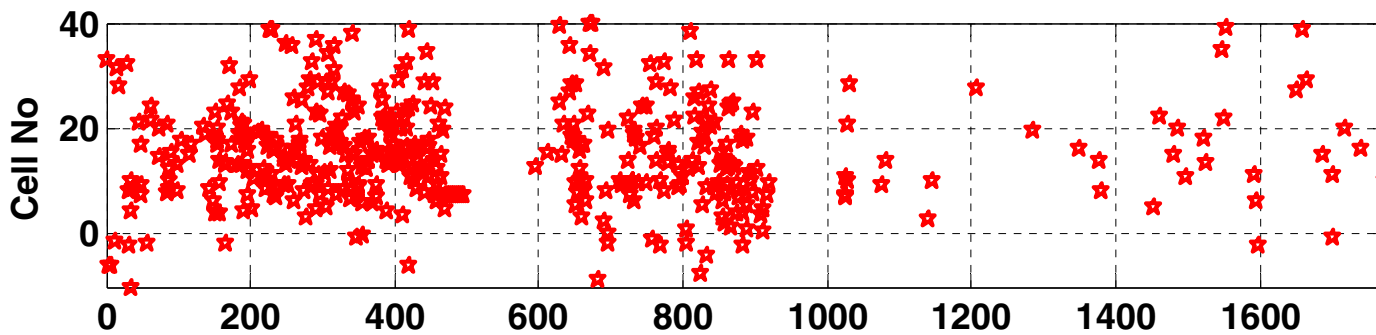
ScWf\_012010999.mat



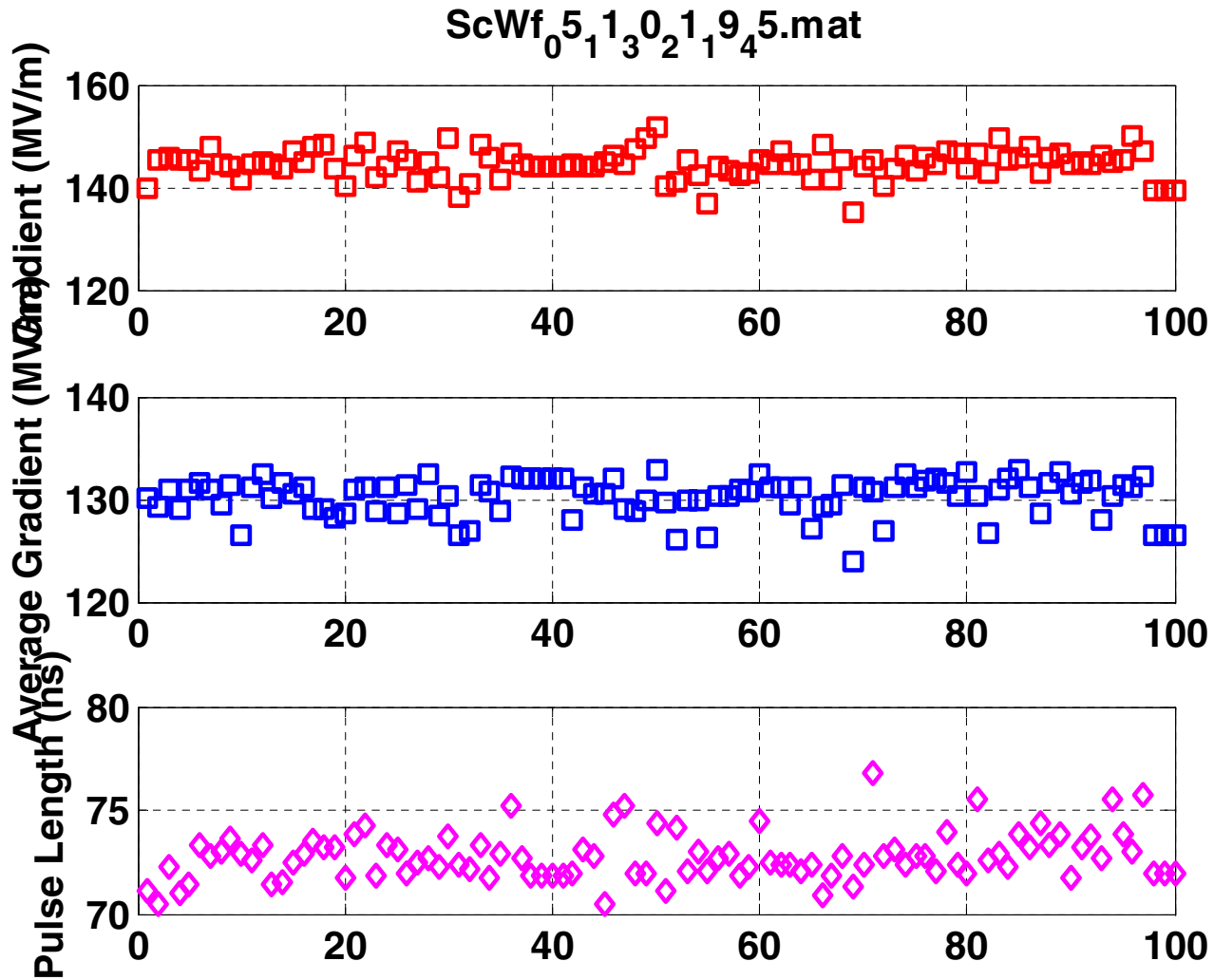


# Mo-structure data analysis

ScWf<sub>0</sub>5<sub>1</sub>2<sub>0</sub>1<sub>0</sub>9<sub>0</sub>9<sub>5</sub>9<sub>2</sub>.mat

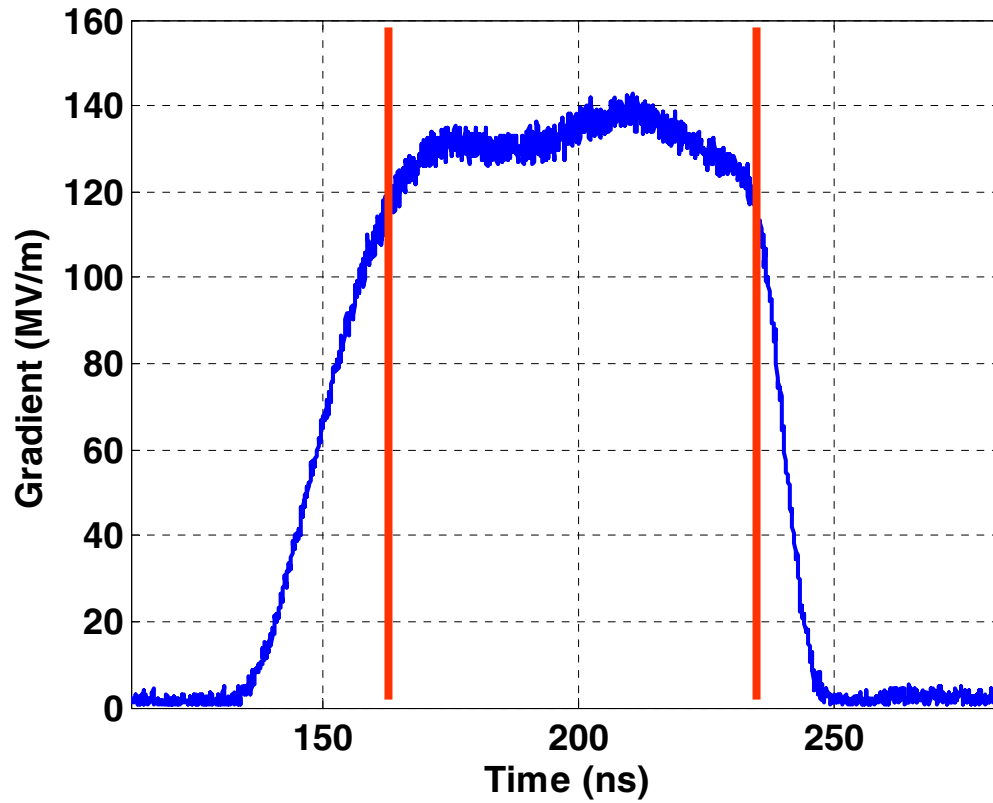


# Mo-structure data analysis



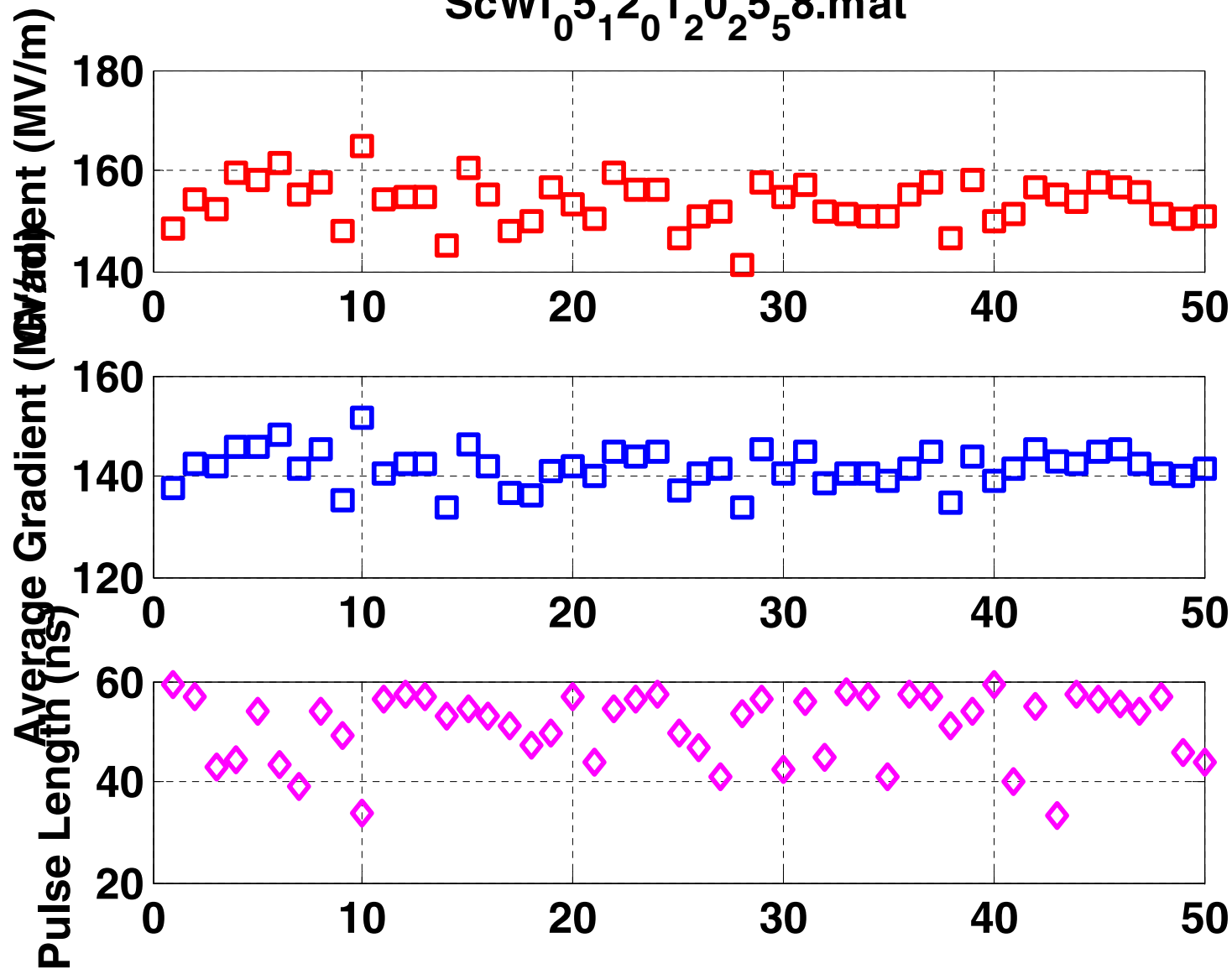
# Mo-structure data analysis

70 ns, 135 MV/m avg Gradient



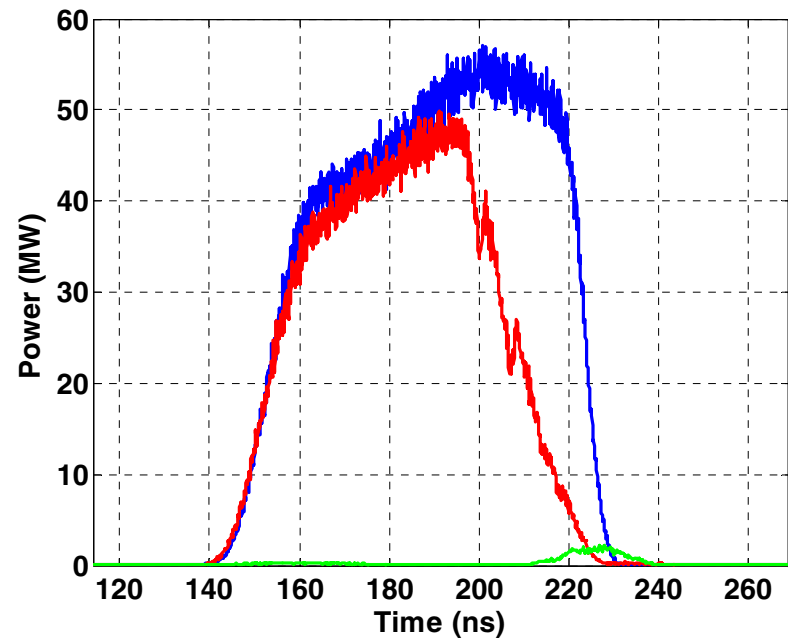
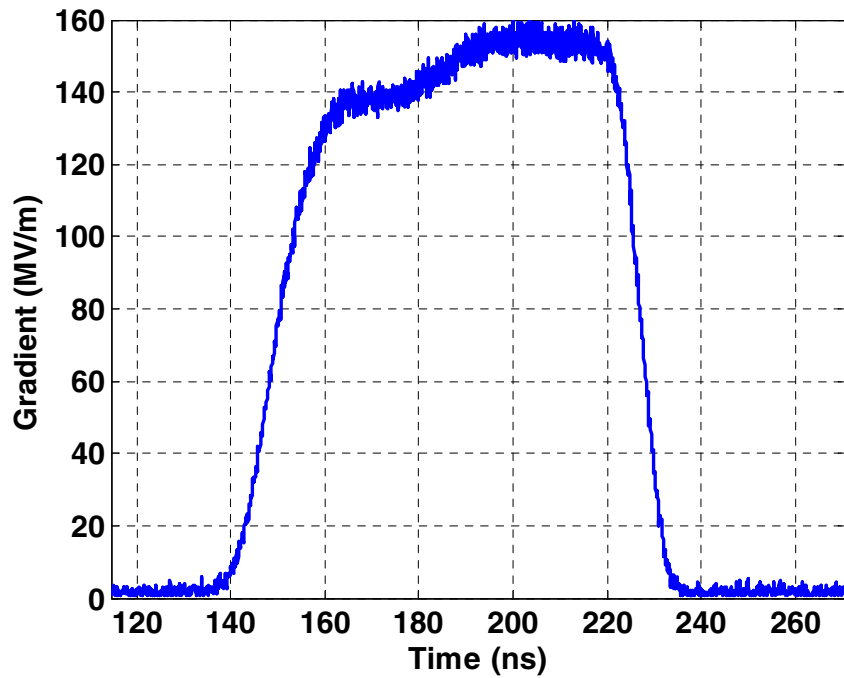
# Mo-structure data analysis

ScWf<sub>0</sub>5<sub>1</sub>2<sub>0</sub>1<sub>0</sub>2<sub>2</sub>5<sub>5</sub>8.mat



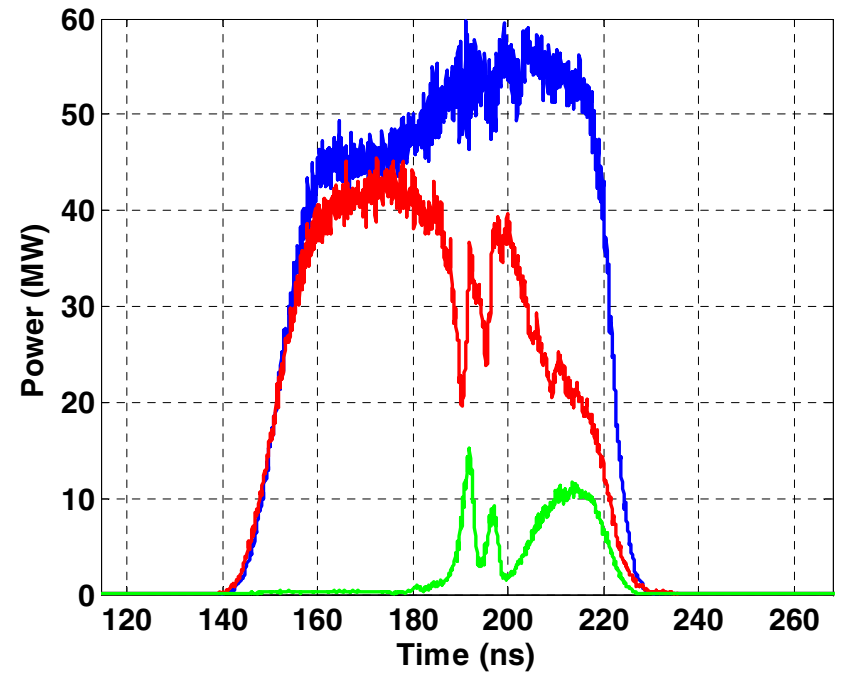
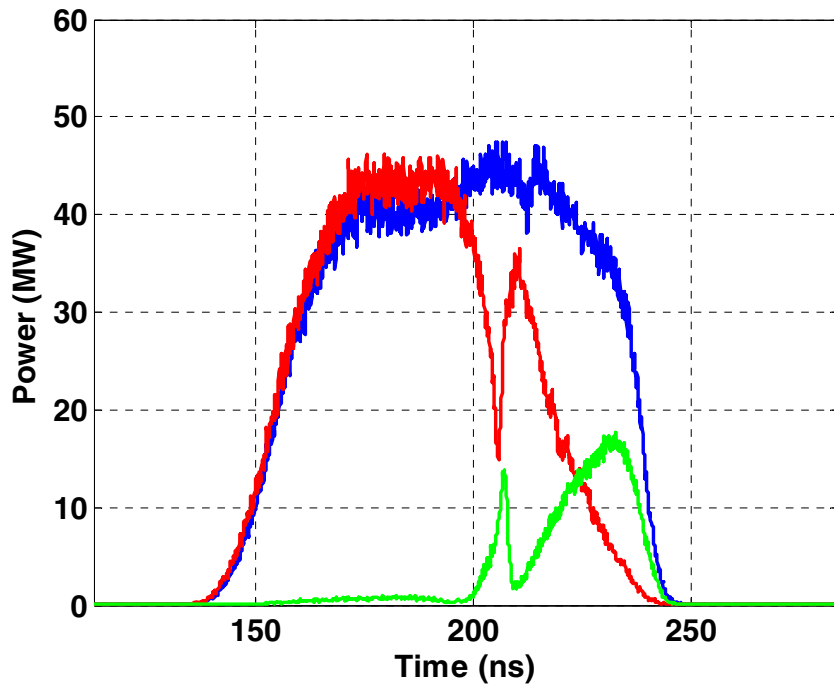
# Mo-structure data analysis

~ 60 ns, 150 MV/m



# Mo-structure data analysis

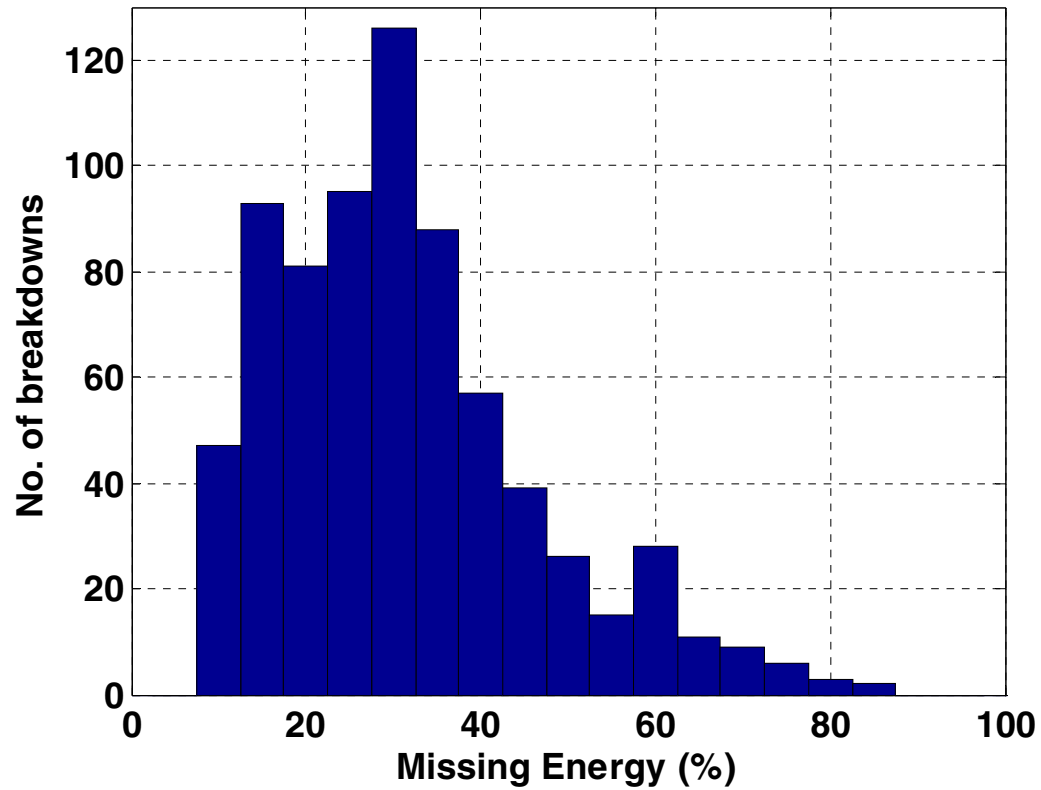
## Some breakdowns



# Mo-structure data analysis

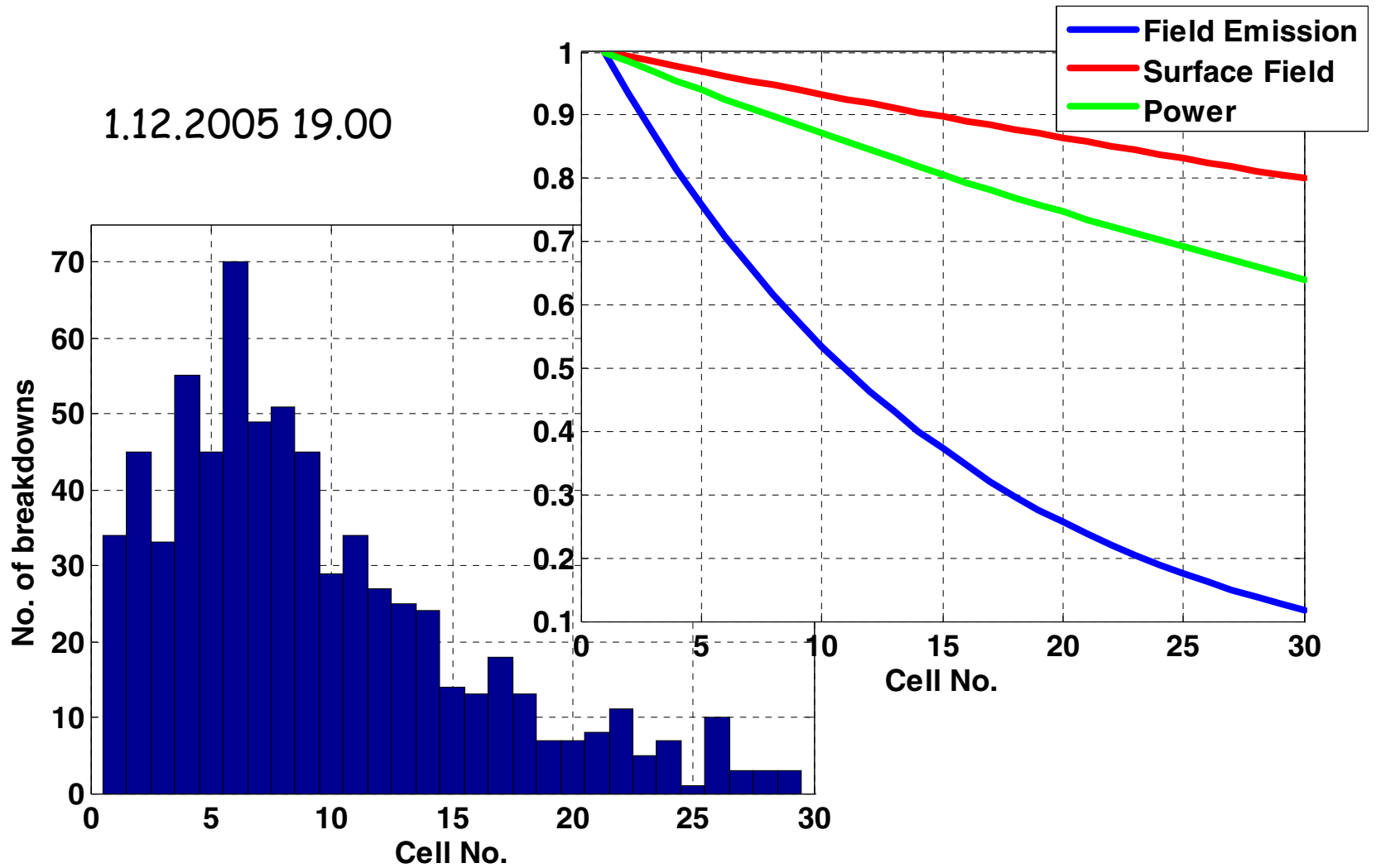
## Missing Energy Distribution

1.12.2005 19.00



# Mo-structure data analysis

## Breakdown location and Field distribution

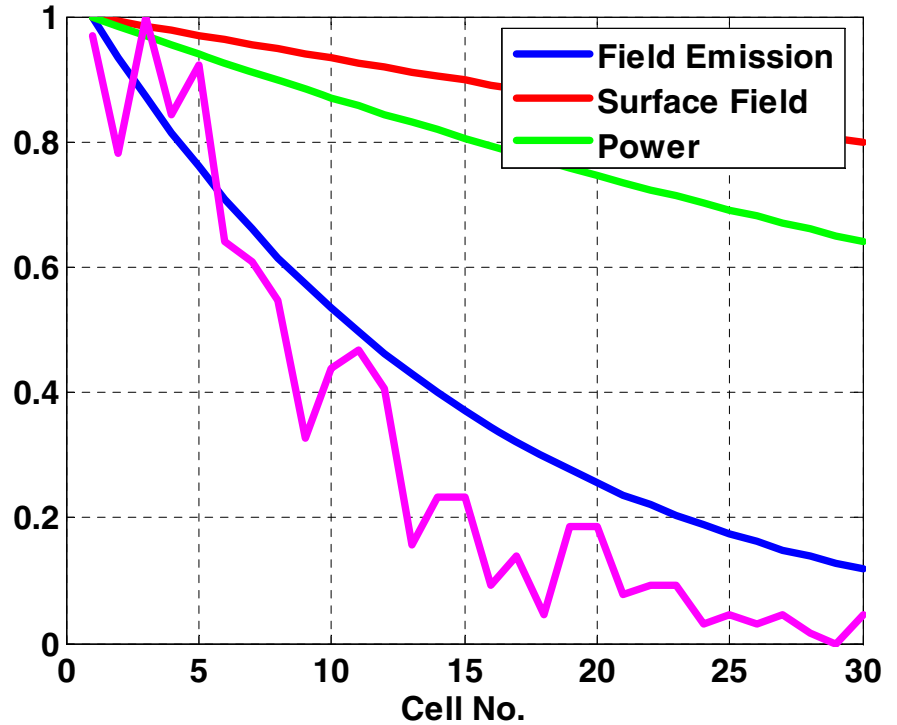
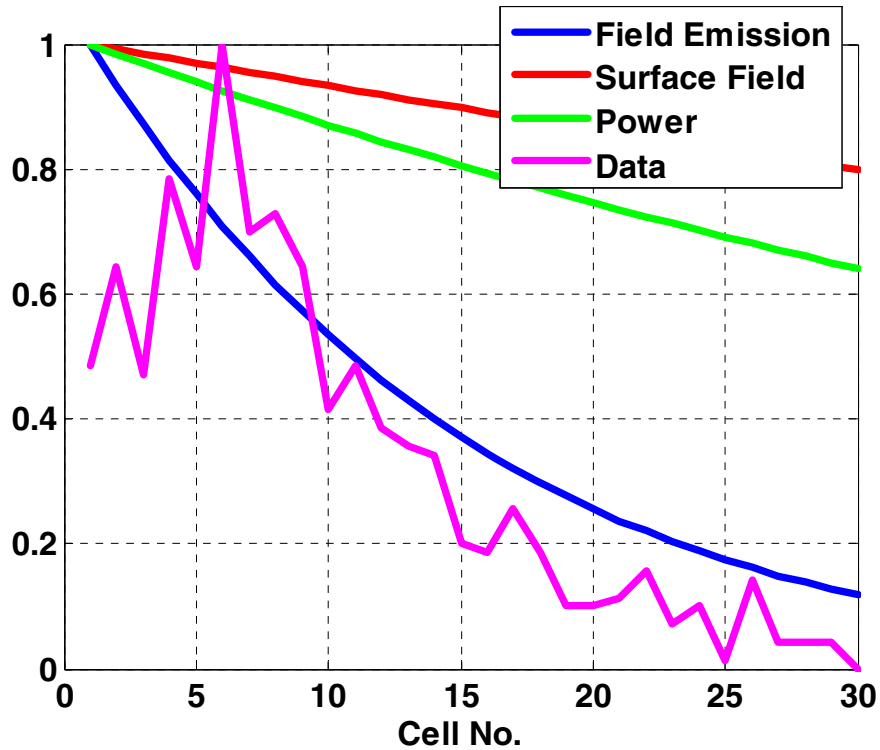




# Mo-structure data analysis

1.12.2005 19.00

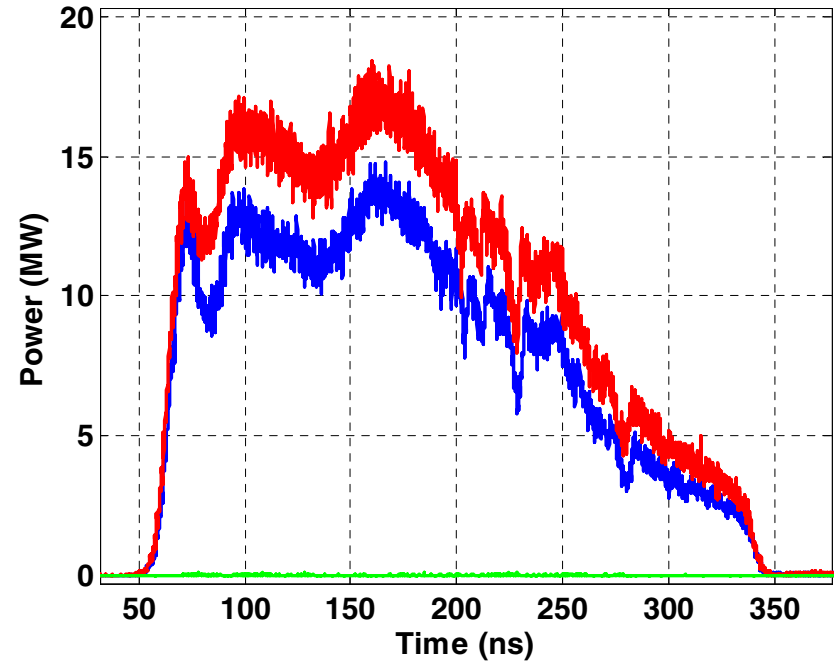
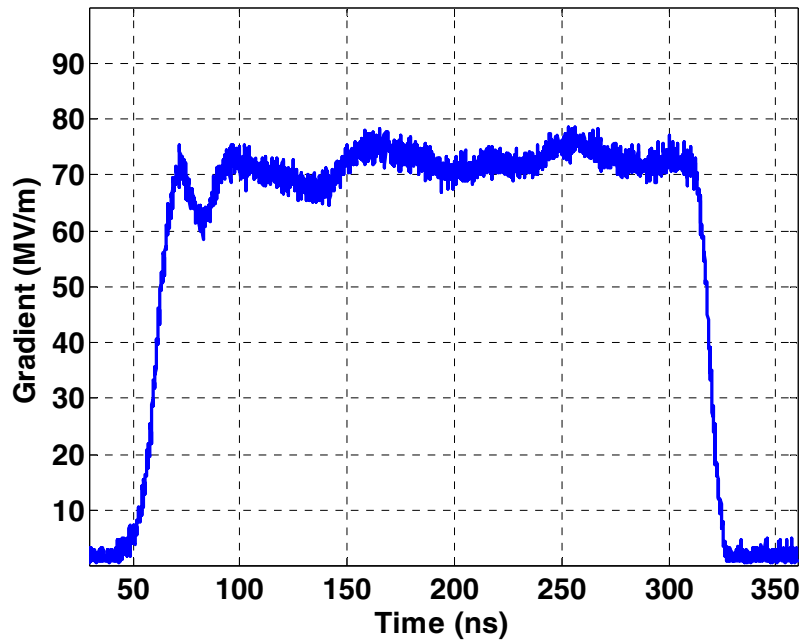
## Different threshold for reflection detection



# Mo-structure data analysis

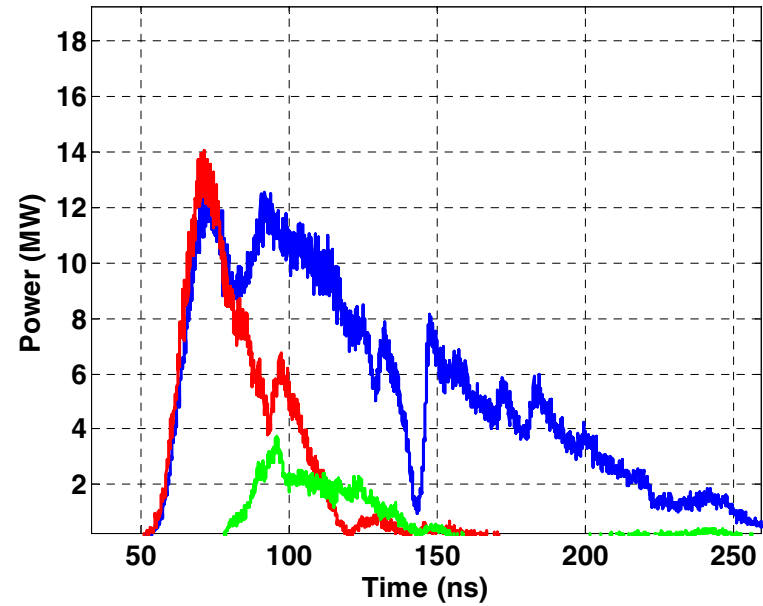
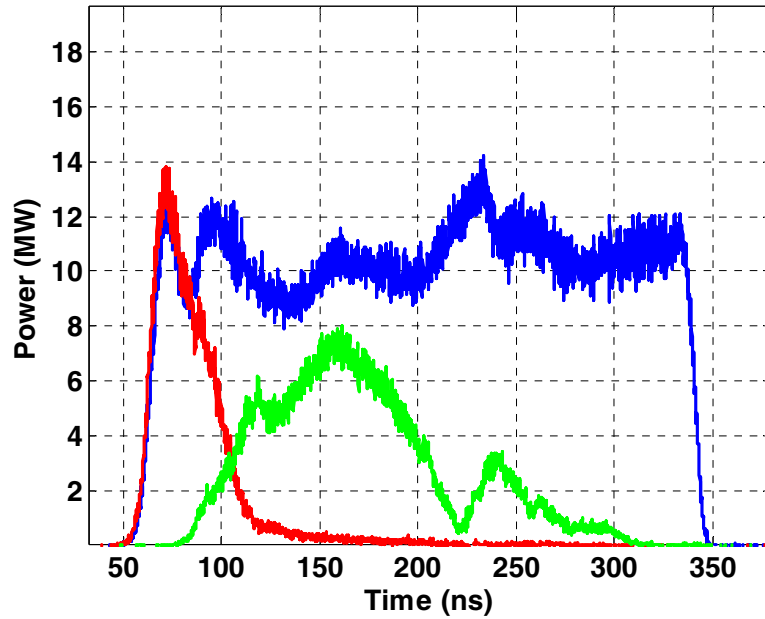
14.12.2005 19.00 Long Pulse Examples

~ 300 ns, 13 MW



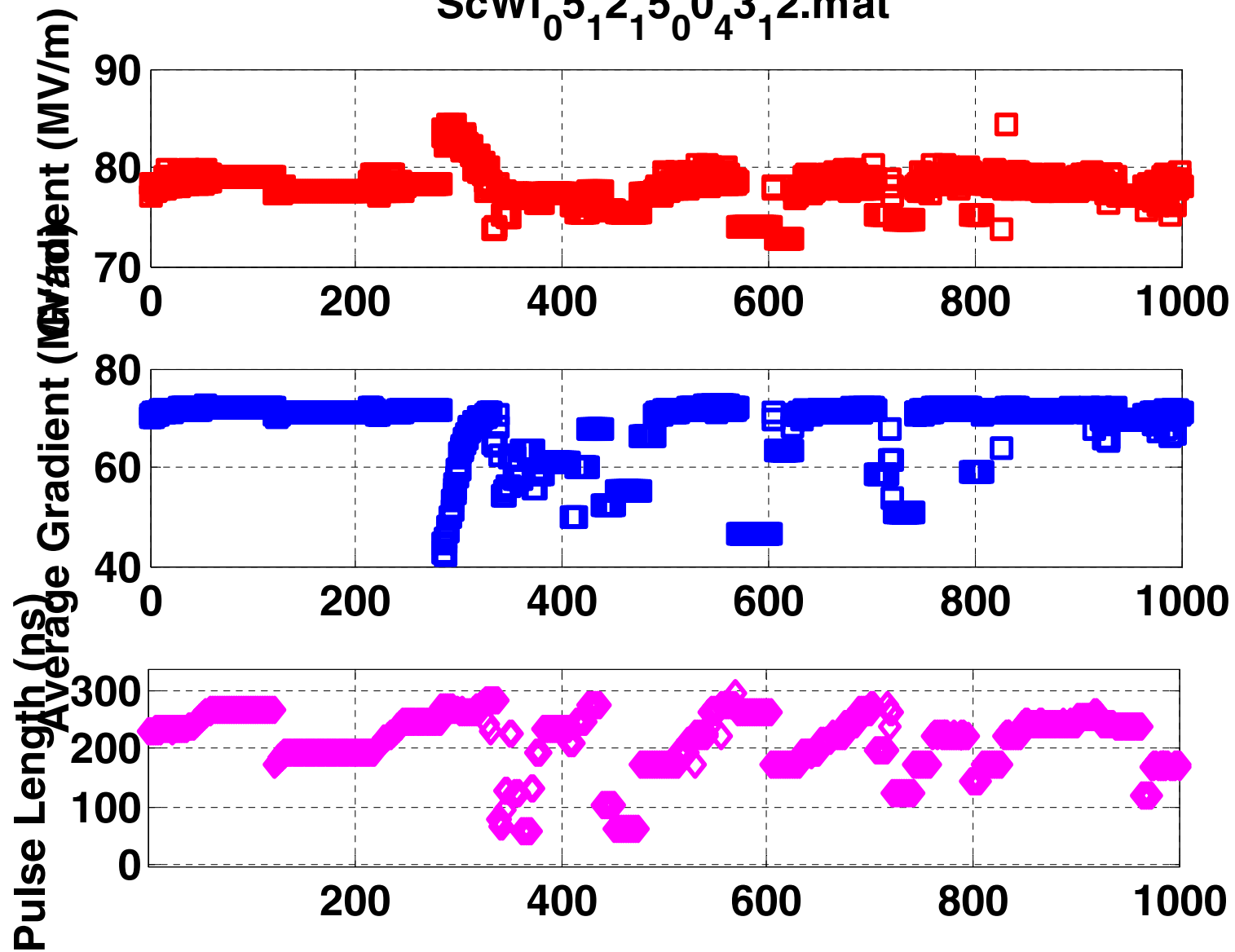
# Mo-structure data analysis

14.12.2005 19.00 Long Pulse Examples



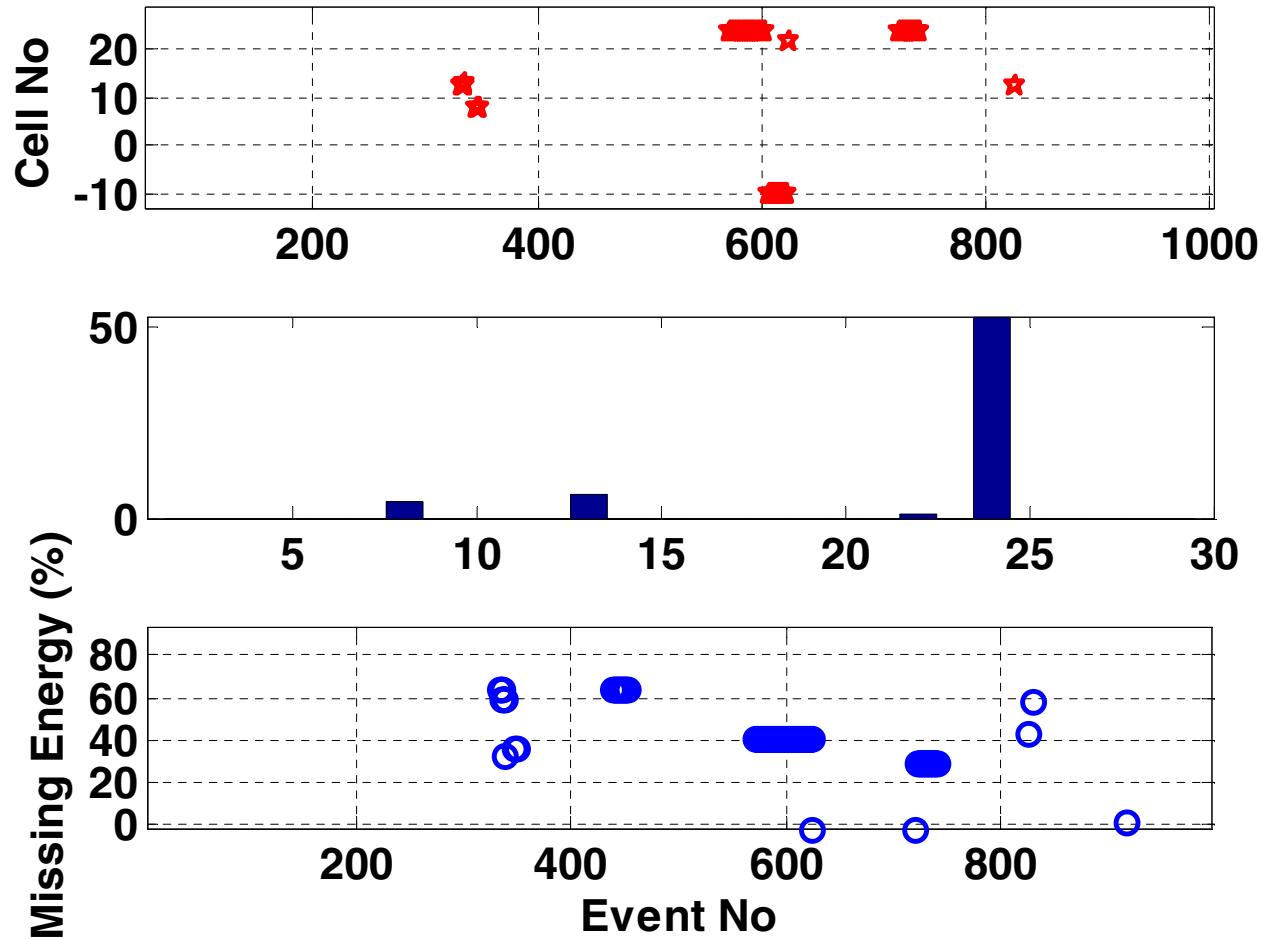
# Mo-structure data analysis

ScWf<sub>0</sub><sub>1</sub><sup>5</sup><sub>1</sub><sup>2</sup><sub>1</sub><sup>5</sup><sub>0</sub><sup>0</sup><sub>4</sub><sup>3</sup><sub>1</sub>.mat



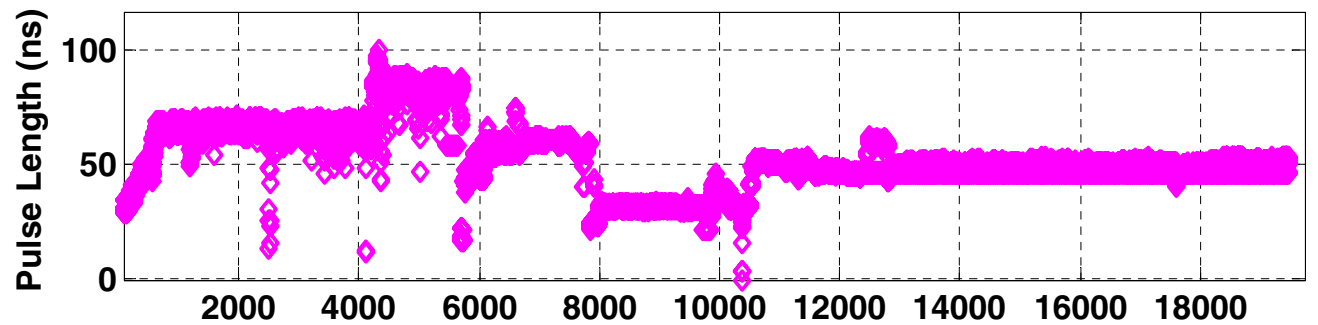
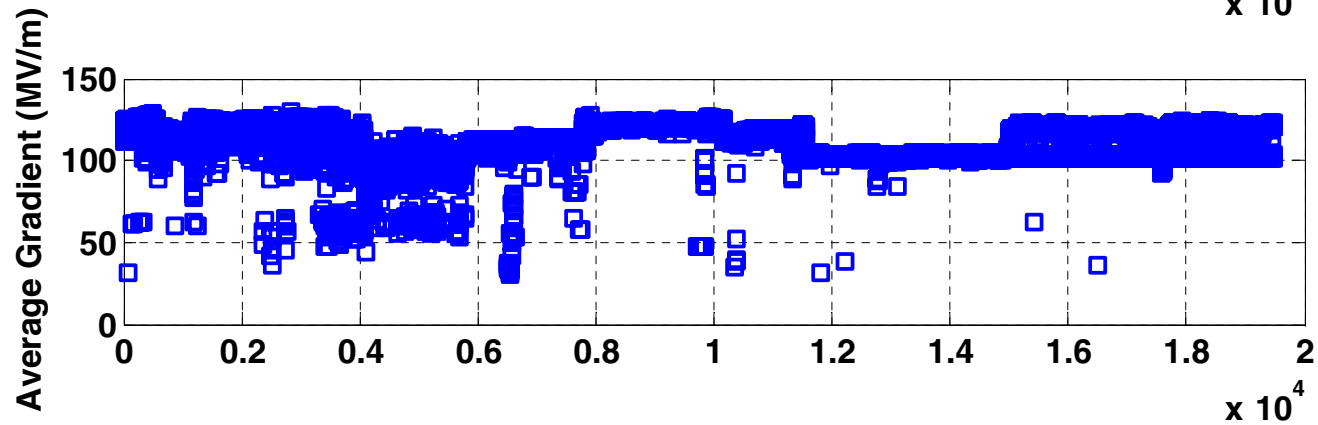
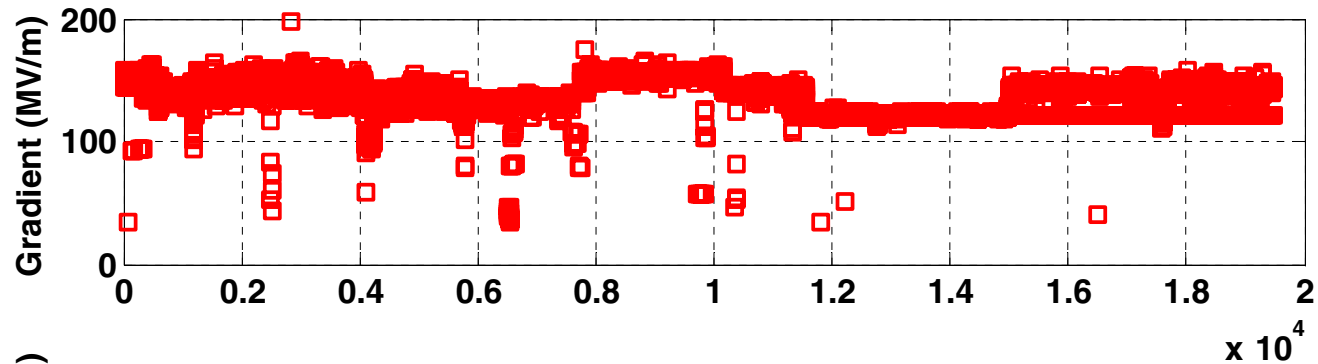
# Mo-structure data analysis

ScWf<sub>0</sub><sup>5</sup><sub>1</sub><sup>2</sup><sub>1</sub><sup>5</sup><sub>0</sub><sup>0</sup><sub>4</sub><sup>3</sup><sub>1</sub>.mat



# Mo-structure data analysis

ScWf<sub>0</sub><sub>1</sub><sub>0</sub><sub>2</sub><sub>1</sub><sub>4</sub><sub>5</sub>.mat



# Mo-structure data analysis

ScWf<sub>010214</sub>5.5.mat

