

DVCS charge normalized yield

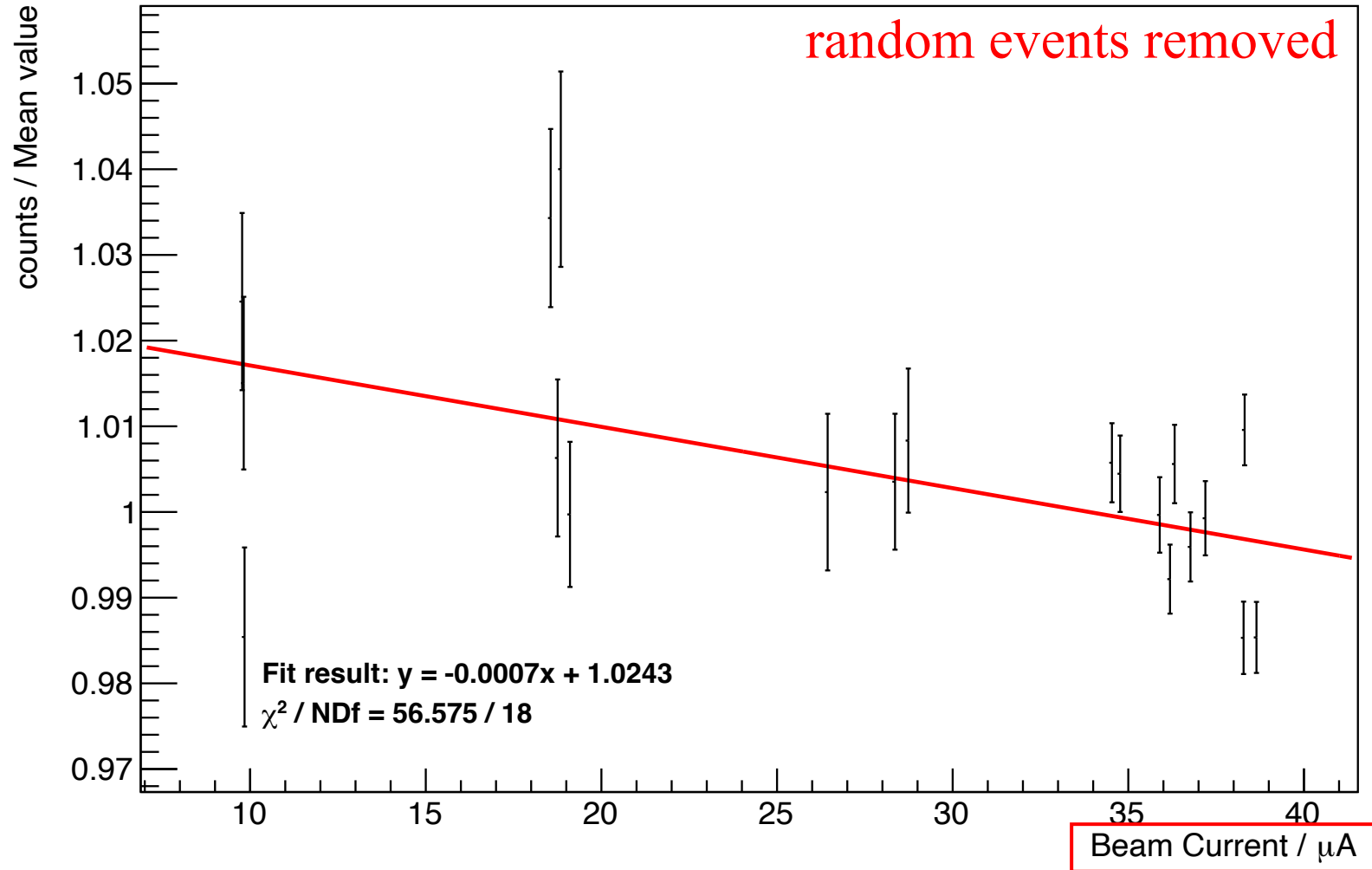
dvcs selection: $E_{\text{max}} > 2 \text{ GeV}$

$145 < \text{clusT} < 155$

$2 \mu\text{A}$ cut

Charge normalized DVCS events(LH2) / Mean value

Include col 1-28

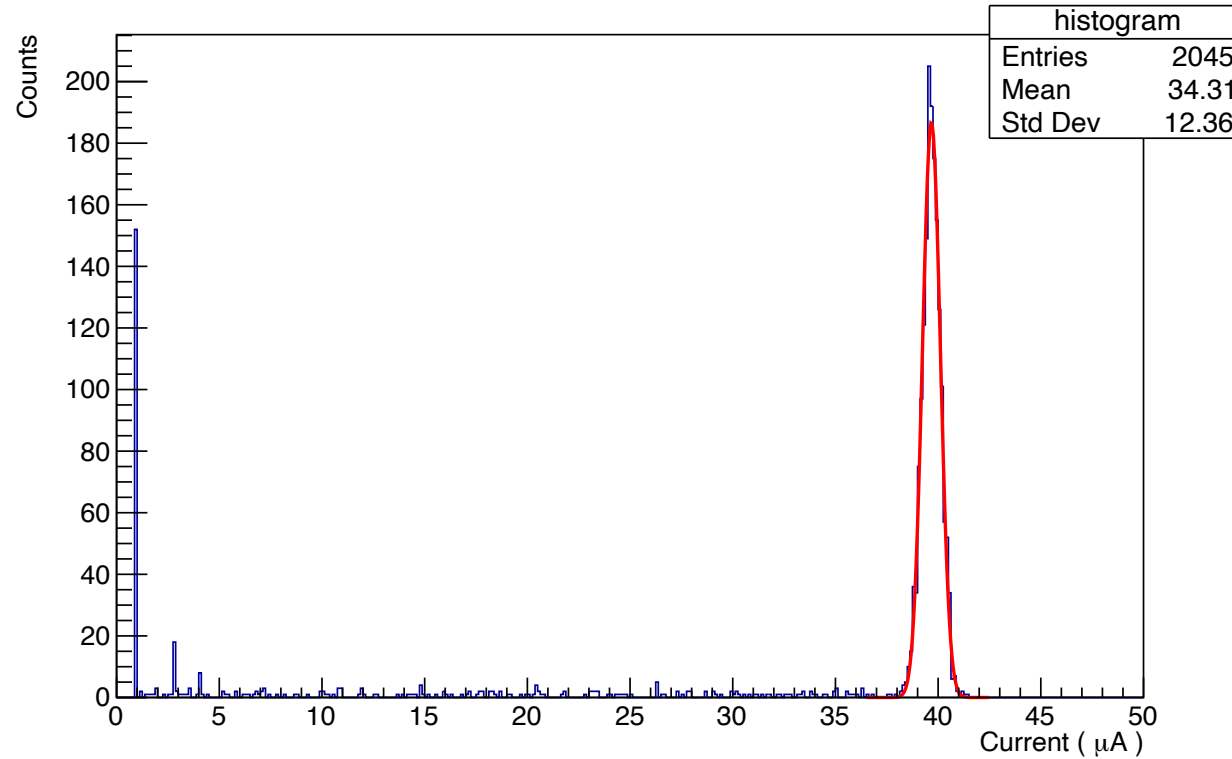


Directly from the report file
The average of the whole run

Beam Current Calculation

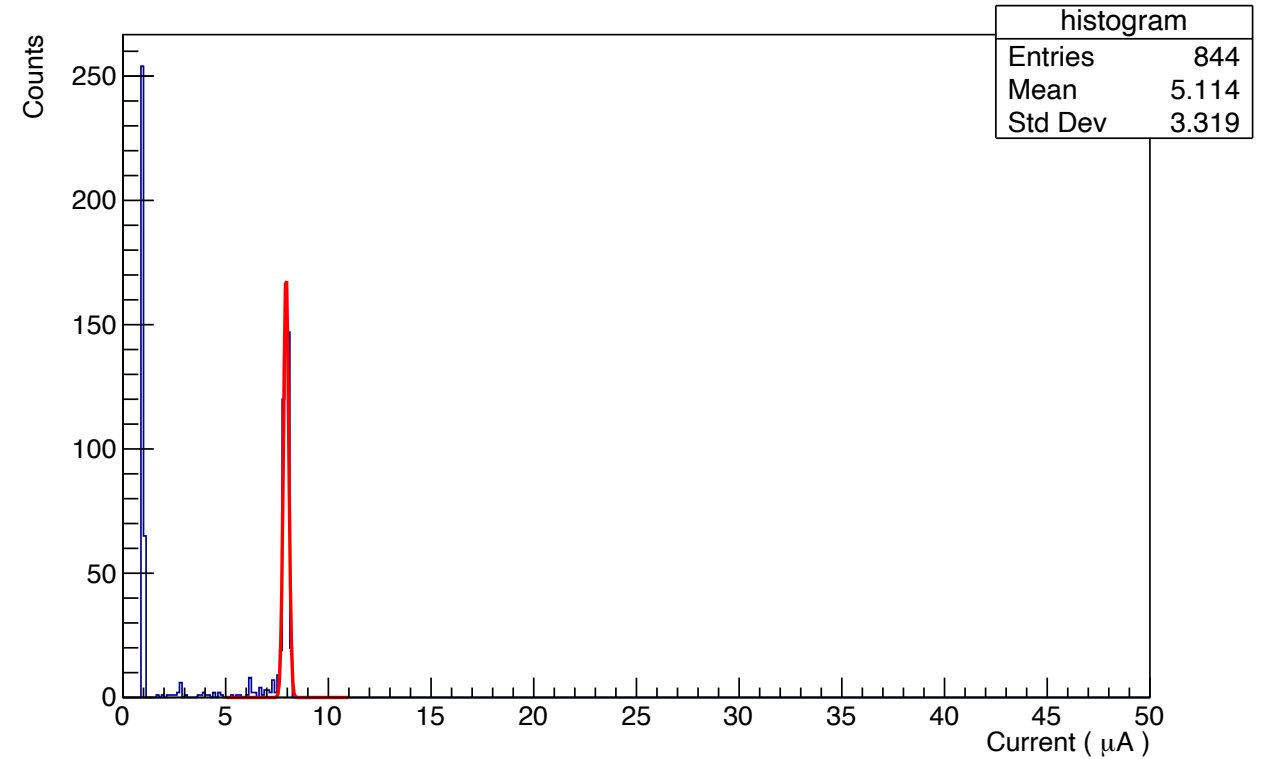
Gaussian Fitting

Beam Current Distribution for Run 4253



Run 4253

Beam Current Distribution for Run 4370



Run 4370

DVCS charge normalized yield

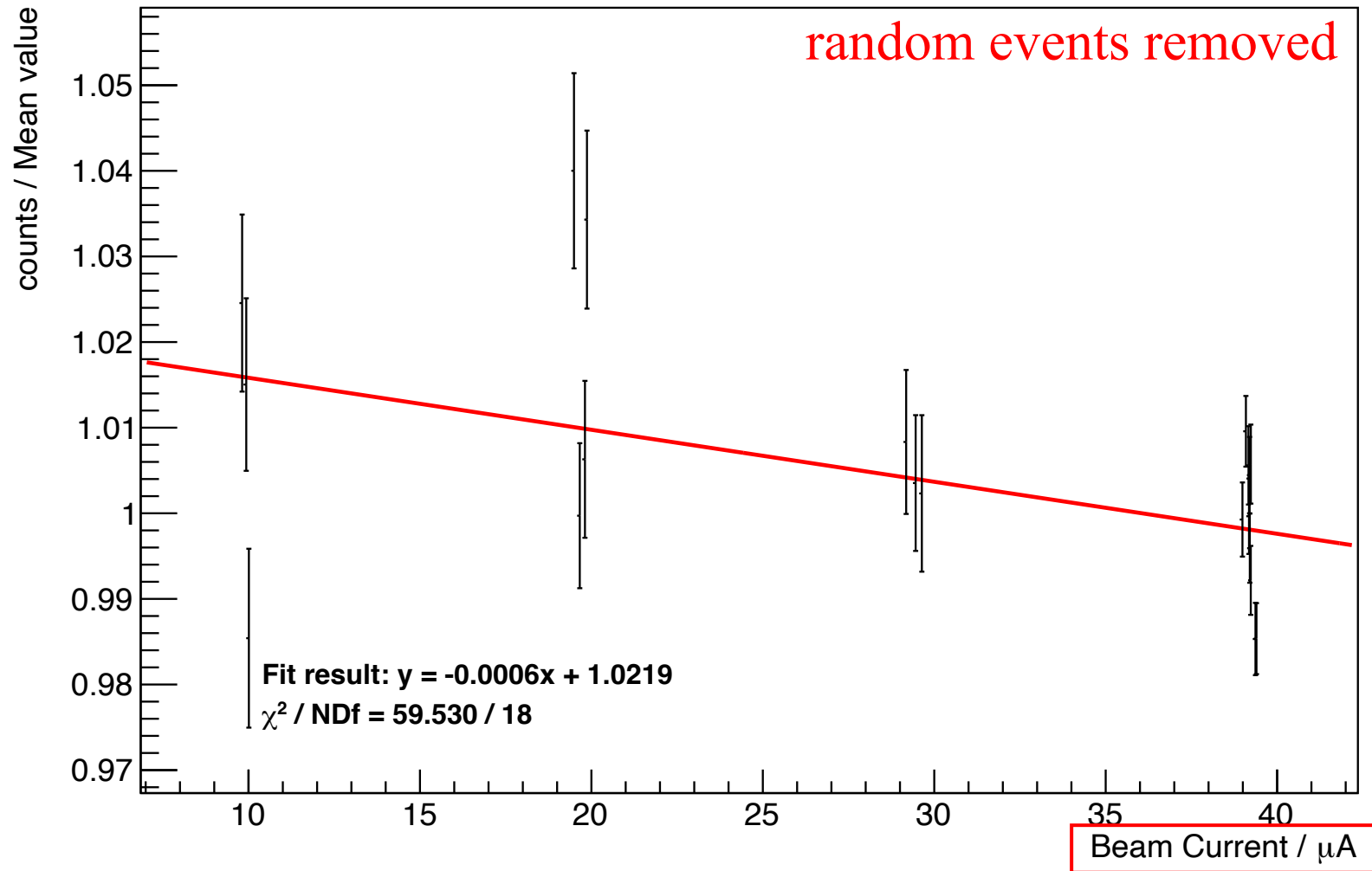
dvcs selection: $E_{\text{max}} > 2 \text{ GeV}$

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Fitting result

DVCS charge normalized yield

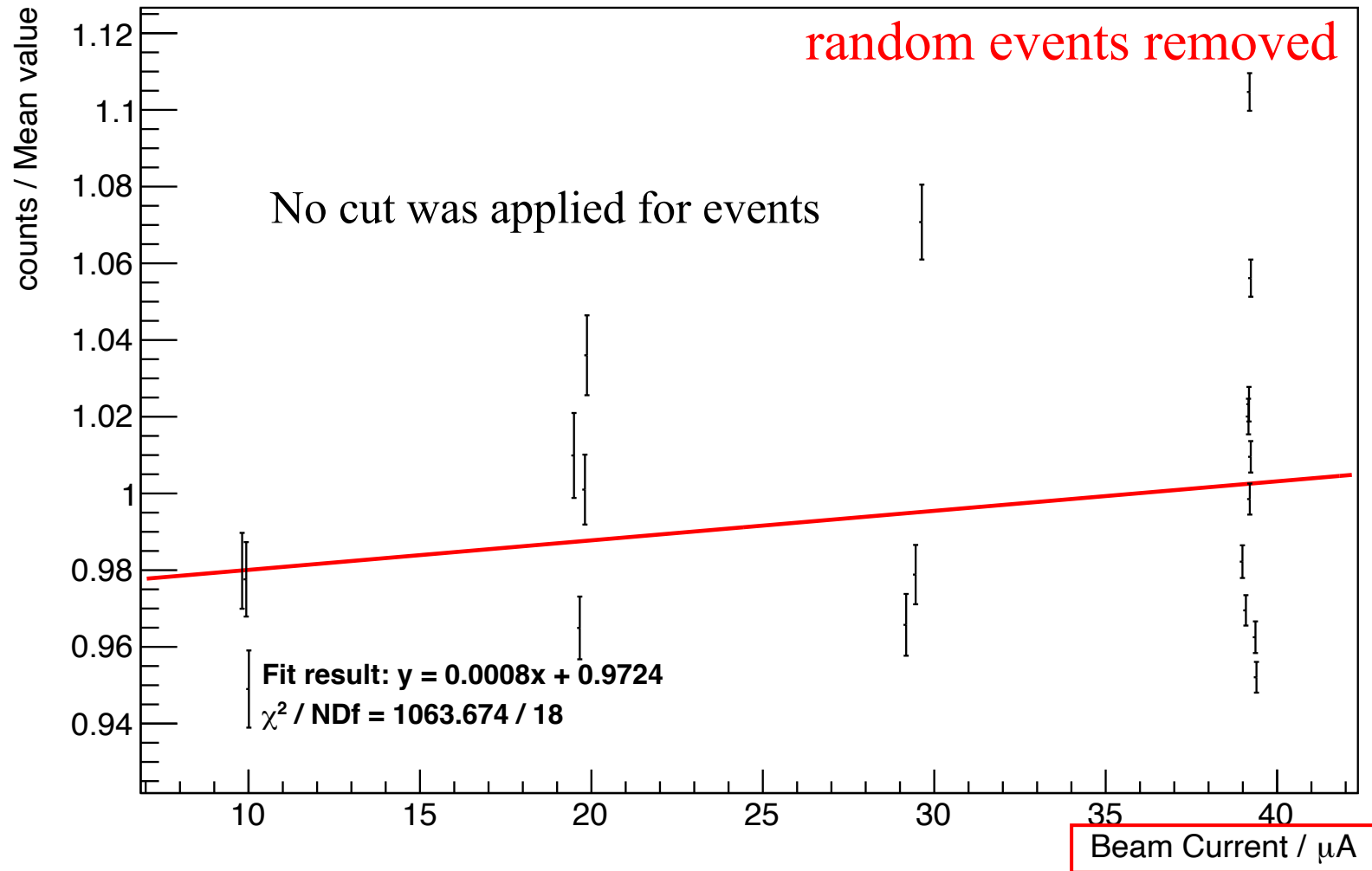
dvcs selection: $E_{\text{max}} > 2 \text{ GeV}$

$1 - 3\sigma \mu\text{A}$ cut

Charge normalized DVCS events(LH2) / Mean value

$145 < \text{clusT} < 155$

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Fitting result

DVCS charge normalized yield

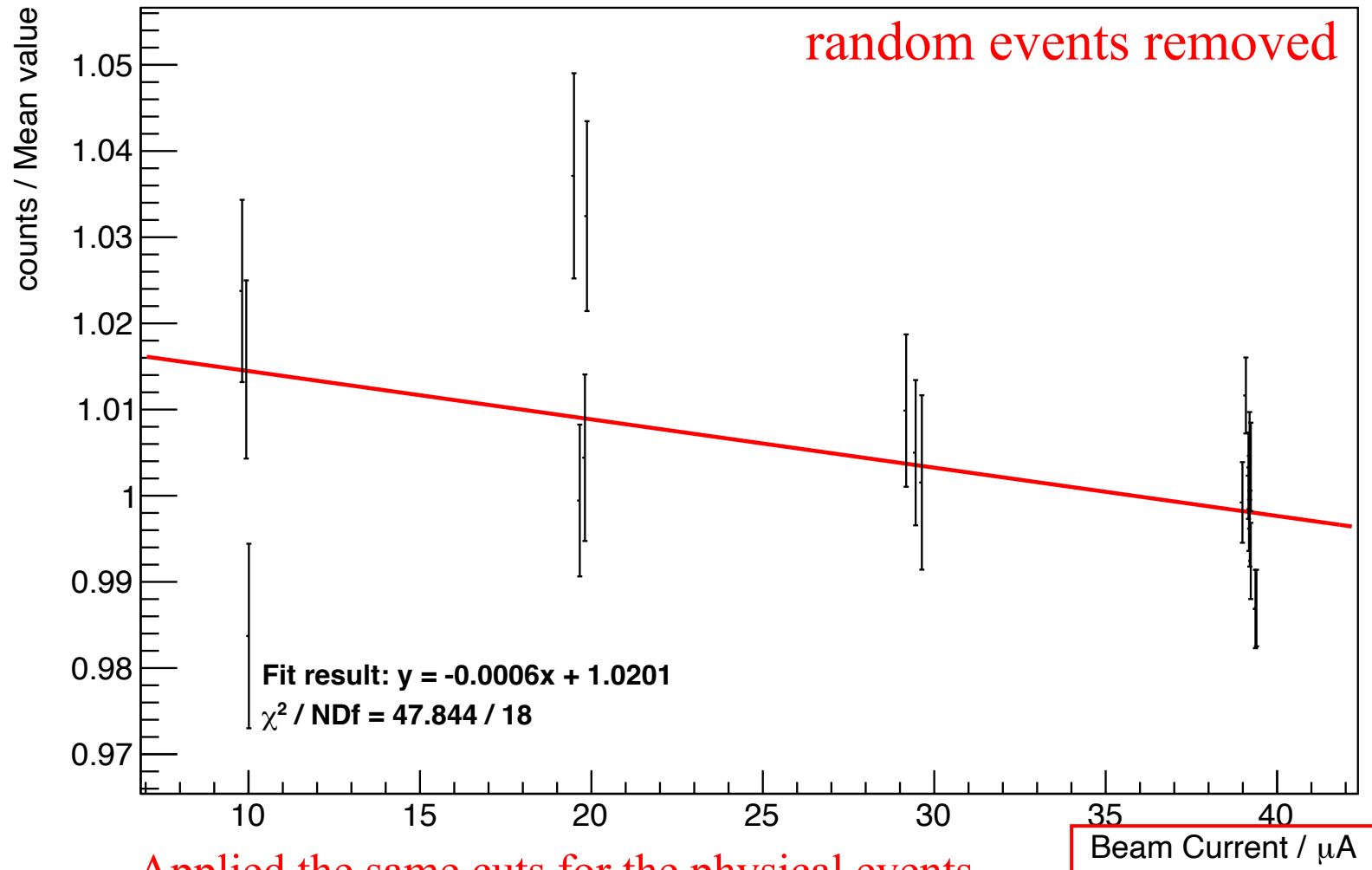
dvcs selection: $E_{\text{max}} > 2 \text{ GeV}$

$1 - 3\sigma \mu\text{A}$ cut

Charge normalized DVCS events(LH2) / Mean value

$145 < \text{clusT} < 155$

Include col 1-28



Applied the same cuts for the physical events

Fitting result

DVCS charge normalized yield

dvcs selection: $E_{\text{max}} > 2 \text{ GeV}$

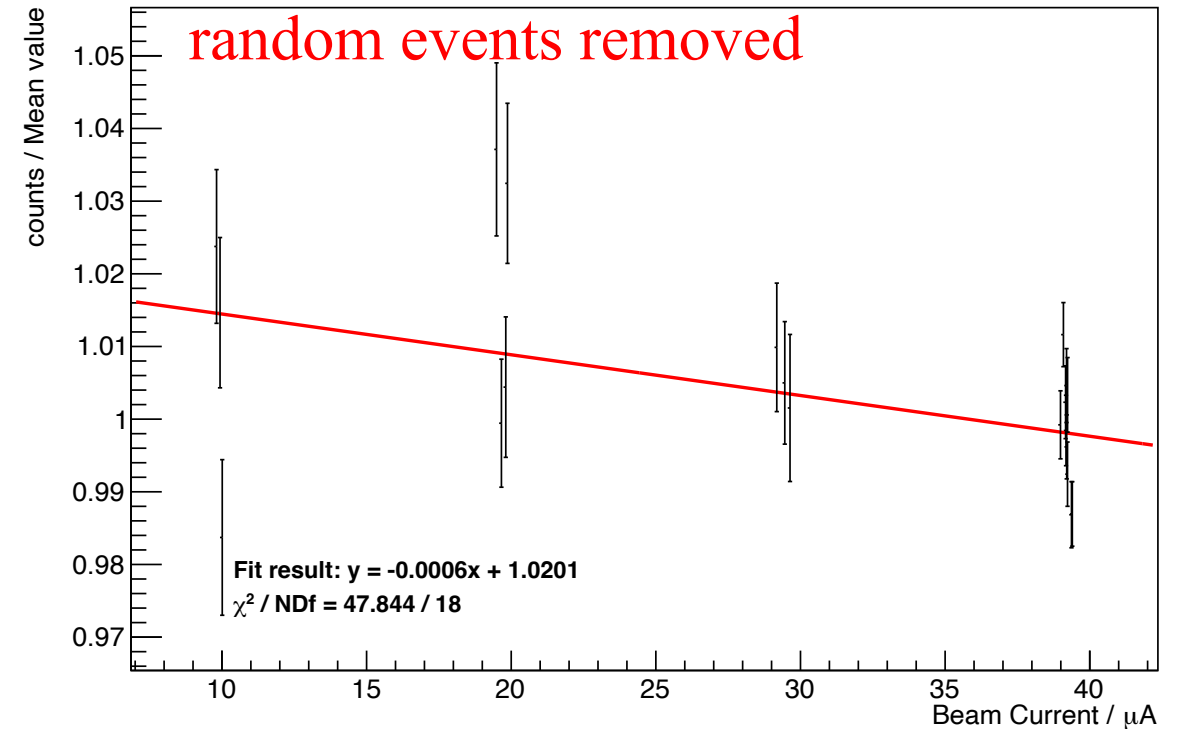
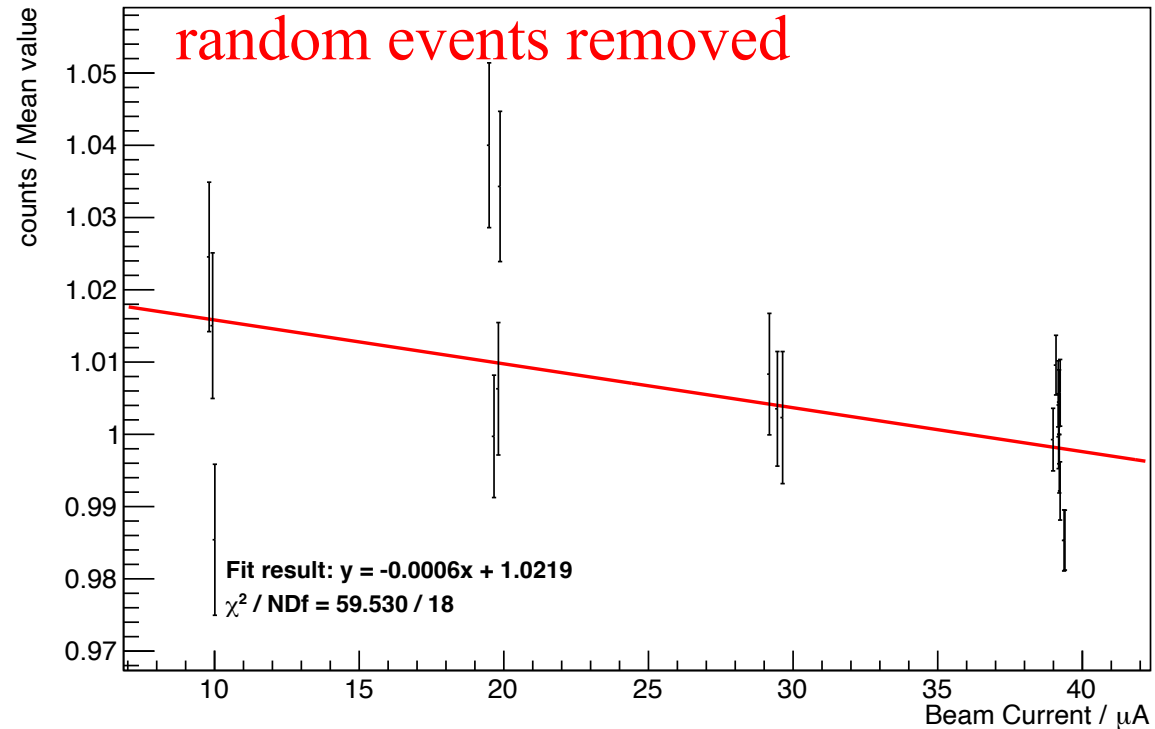
$145 < \text{clusT} < 155$

$2 \mu\text{A}$ cut

Include col 1-28

Charge normalized DVCS events(LH2) / Mean value

Charge normalized DVCS events(LH2) / Mean value



No cut was applied for events

Applied the same cuts for events

DVCS charge normalized yield

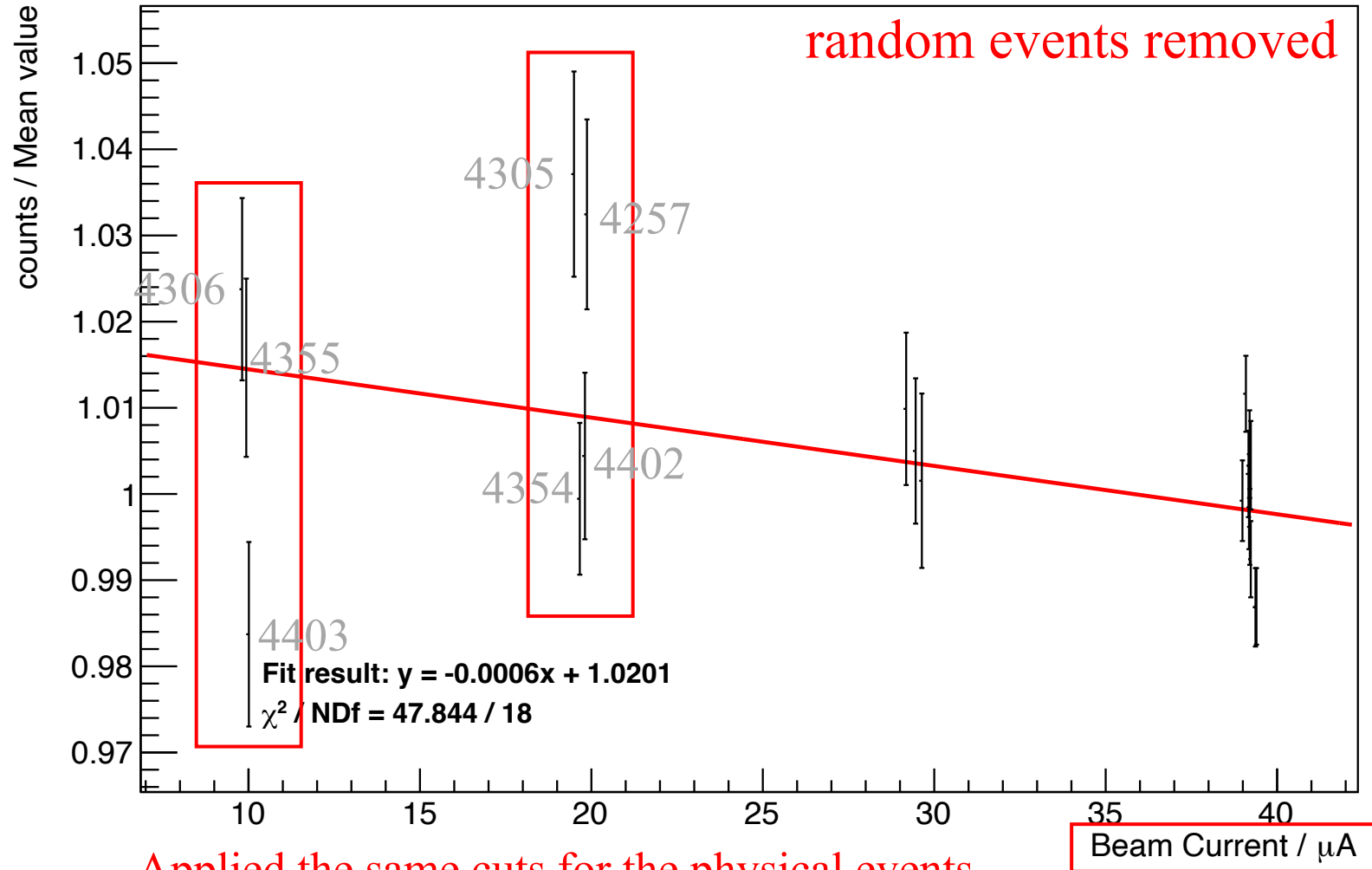
dvcs selection: $E_{max} > 2 \text{ GeV}$

$145 < clusT < 155$

$1 - 3\sigma \mu\text{A cut}$

Charge normalized DVCS events(LH2) / Mean value

Include col 1-28



Applied the same cuts for the physical events

Beam Current / μA

Fitting result

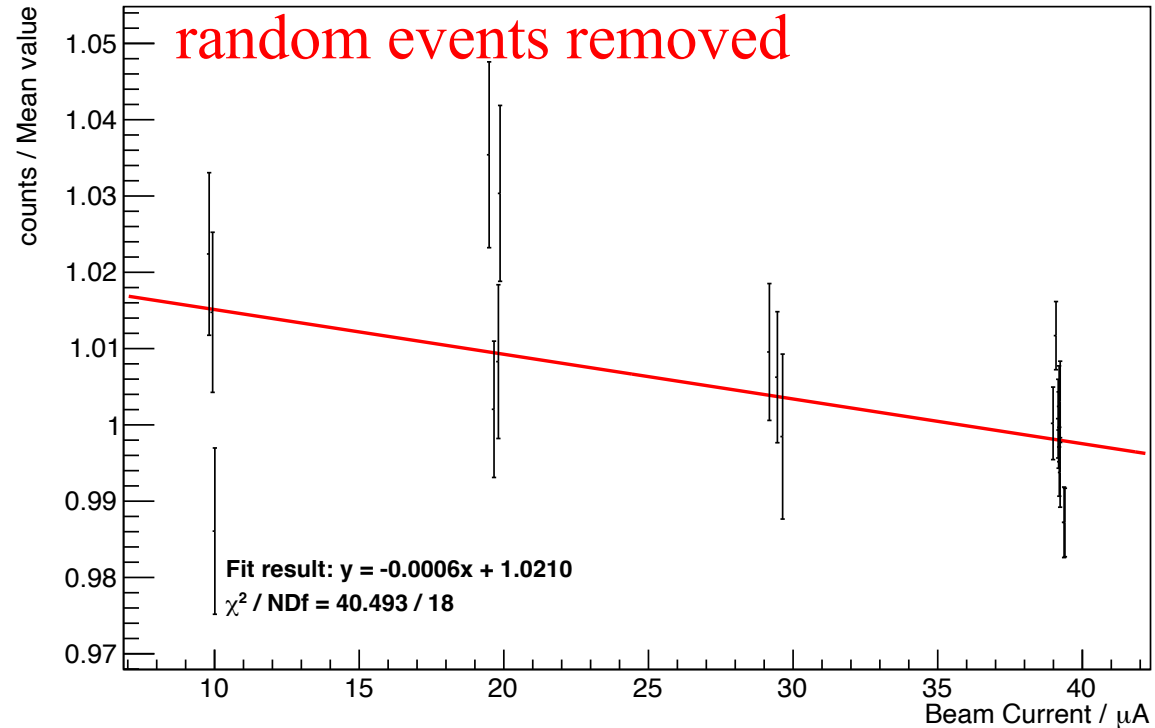
DVCS charge normalized yield

dvcs selection: $E_{\text{max}} > 2 \text{ GeV}$

$145 < \text{clusT} < 155$

1 - 3σ μA cut

Charge normalized DVCS events(LH2) / Mean value

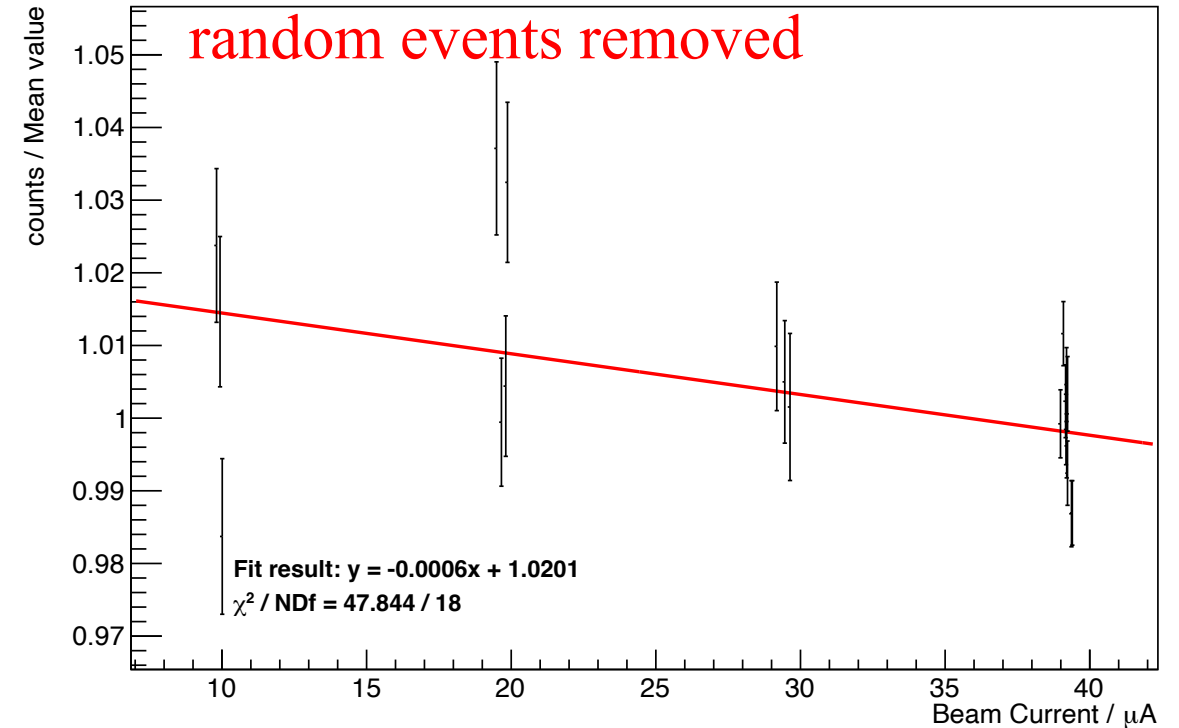


Applied the same cuts for event selection
Stability requirements (abandon ± 3 scaler readouts)

1 - 3σ μA cut

Charge normalized DVCS events(LH2) / Mean value

Include col 1-28



Applied the same cuts for event selection
No Stability requirements