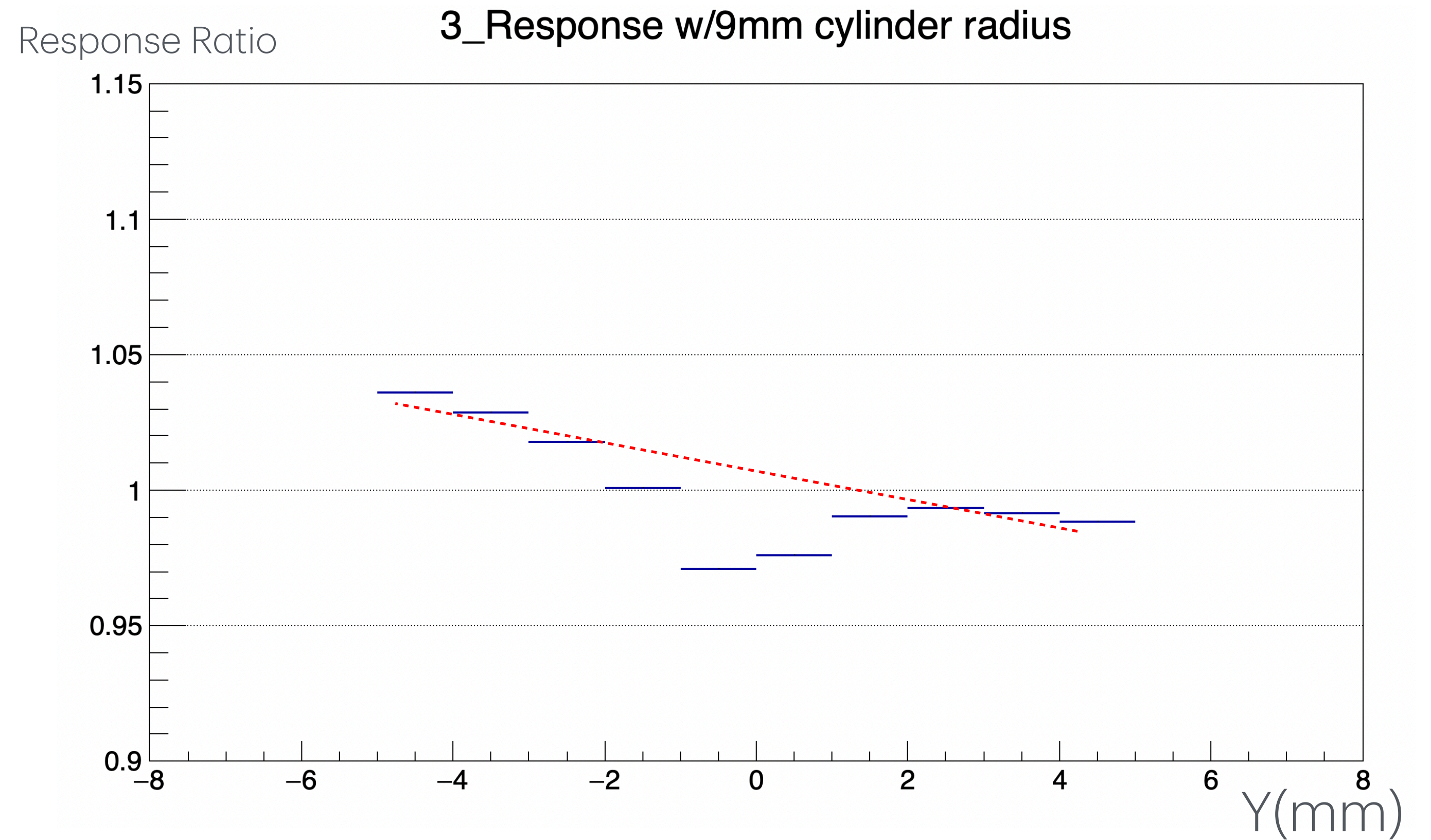


EPICAL-2 Response Correction

Recap

- Investigating clear slope present in the measurements of detector response
- Goal to correct and measure difference

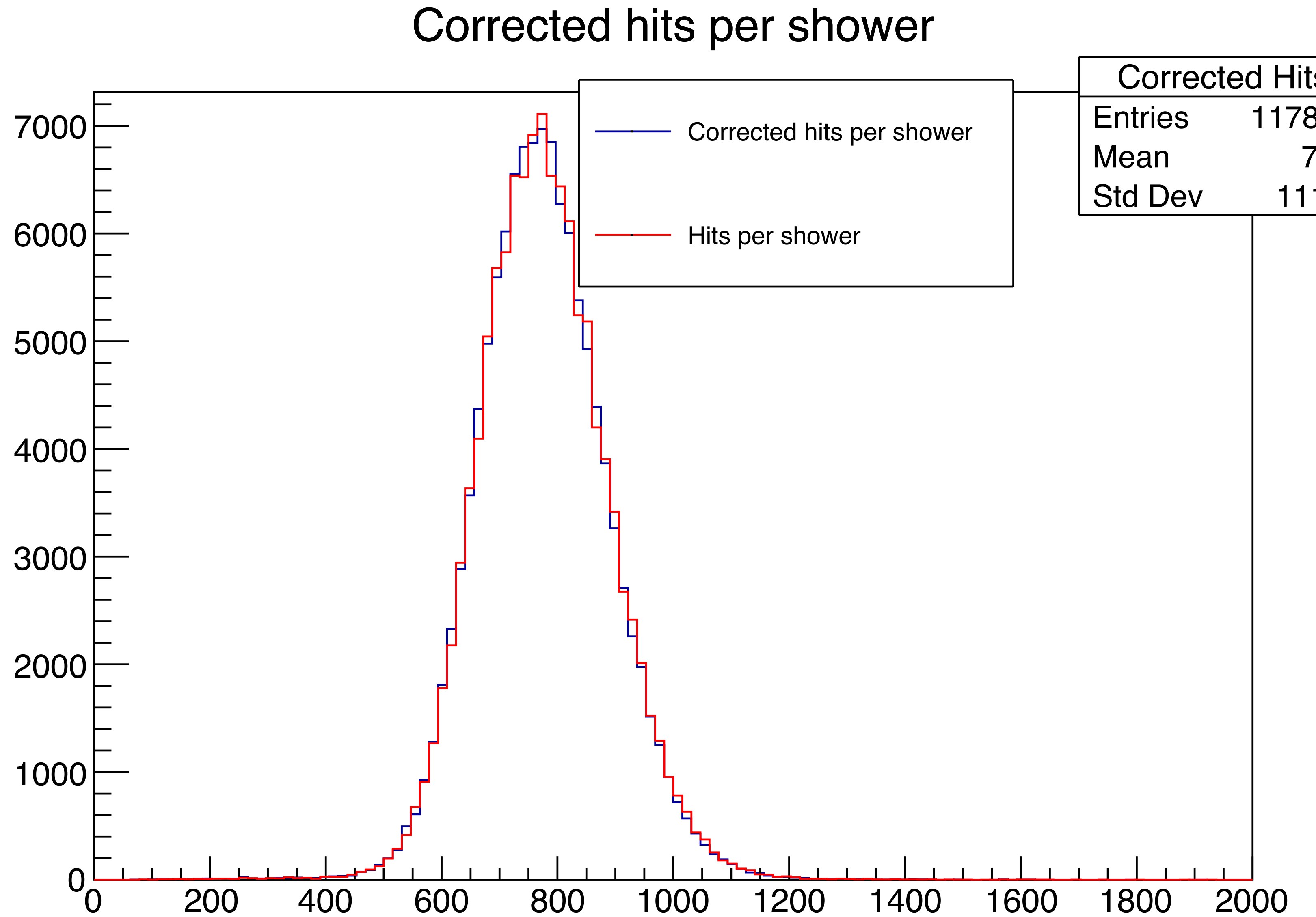


Since last discussion

- Included measurements using a larger cylinder radius (9mm)
 - Aligns with Johannes' findings
- Adjusted macro to function similar to others
- Included SPS data

Results

- Correcting the slope leads to a slightly tighter peak in hits per cylinder per shower.



Resolutions

- Corrected = σ/μ
- Uncorrected = σ/μ
- Difference = uncorrected - corrected
- Square difference = $\sqrt{U^2 - C^2}$

Corrected and Uncorrected hits vs. Energies

