Start of Cross-check

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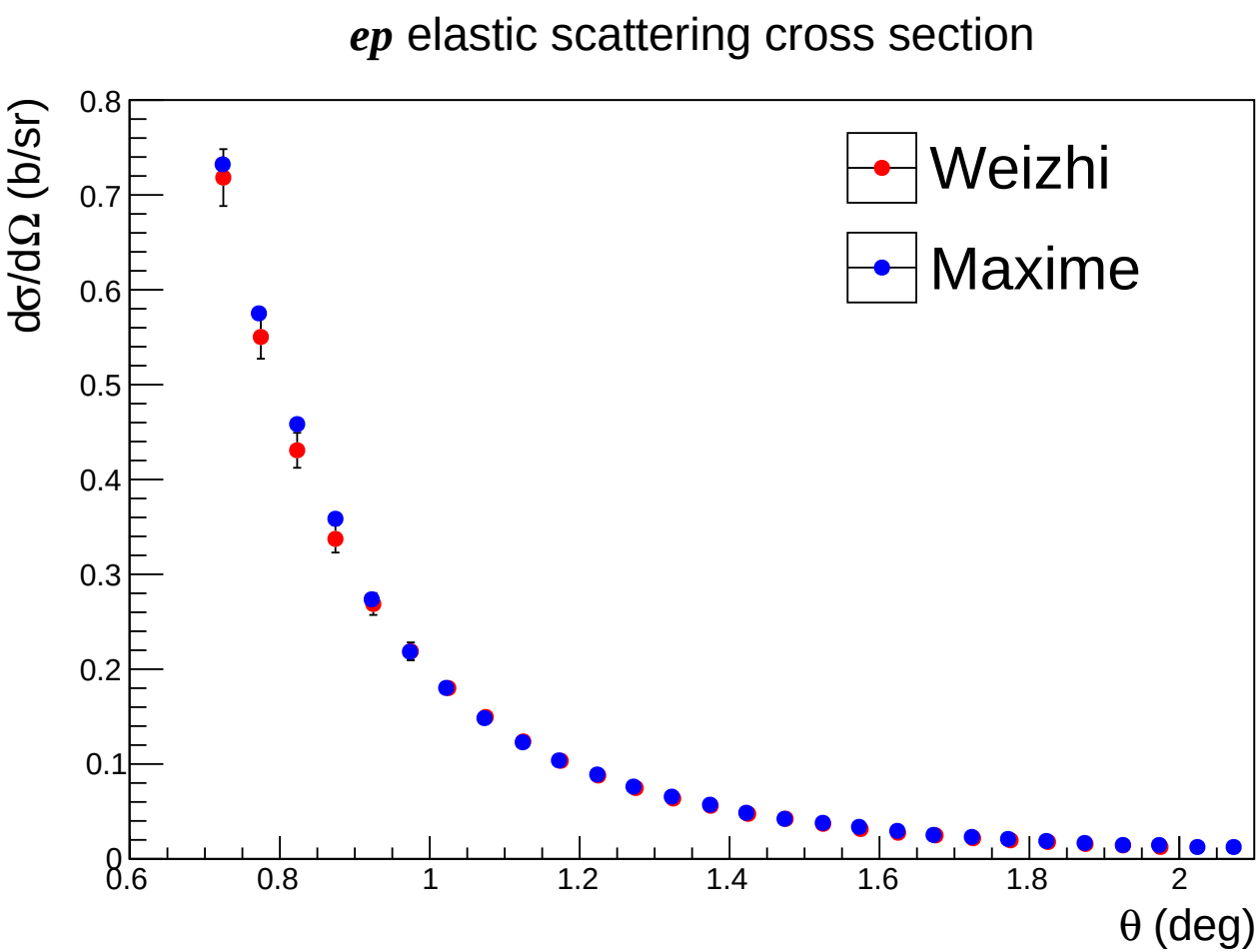
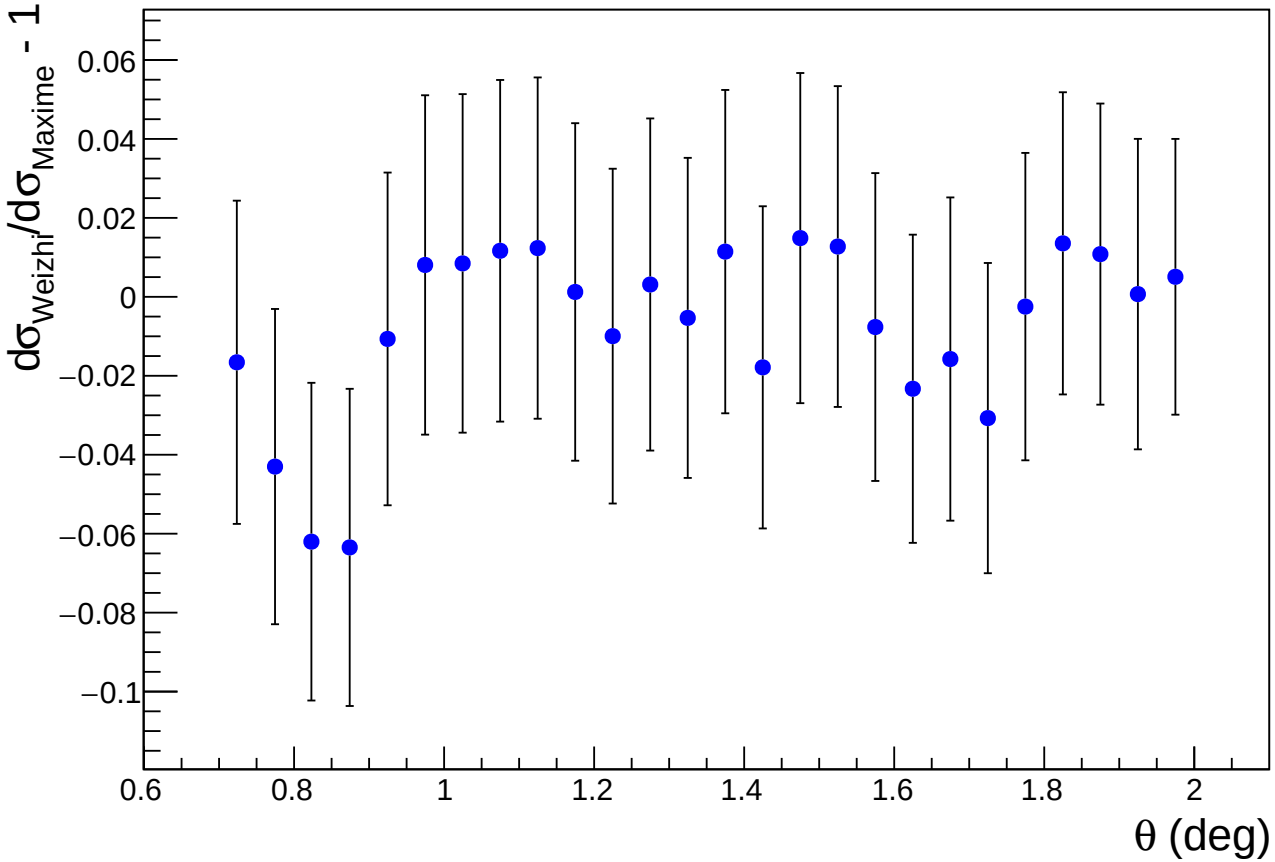
Cross-section Comparison



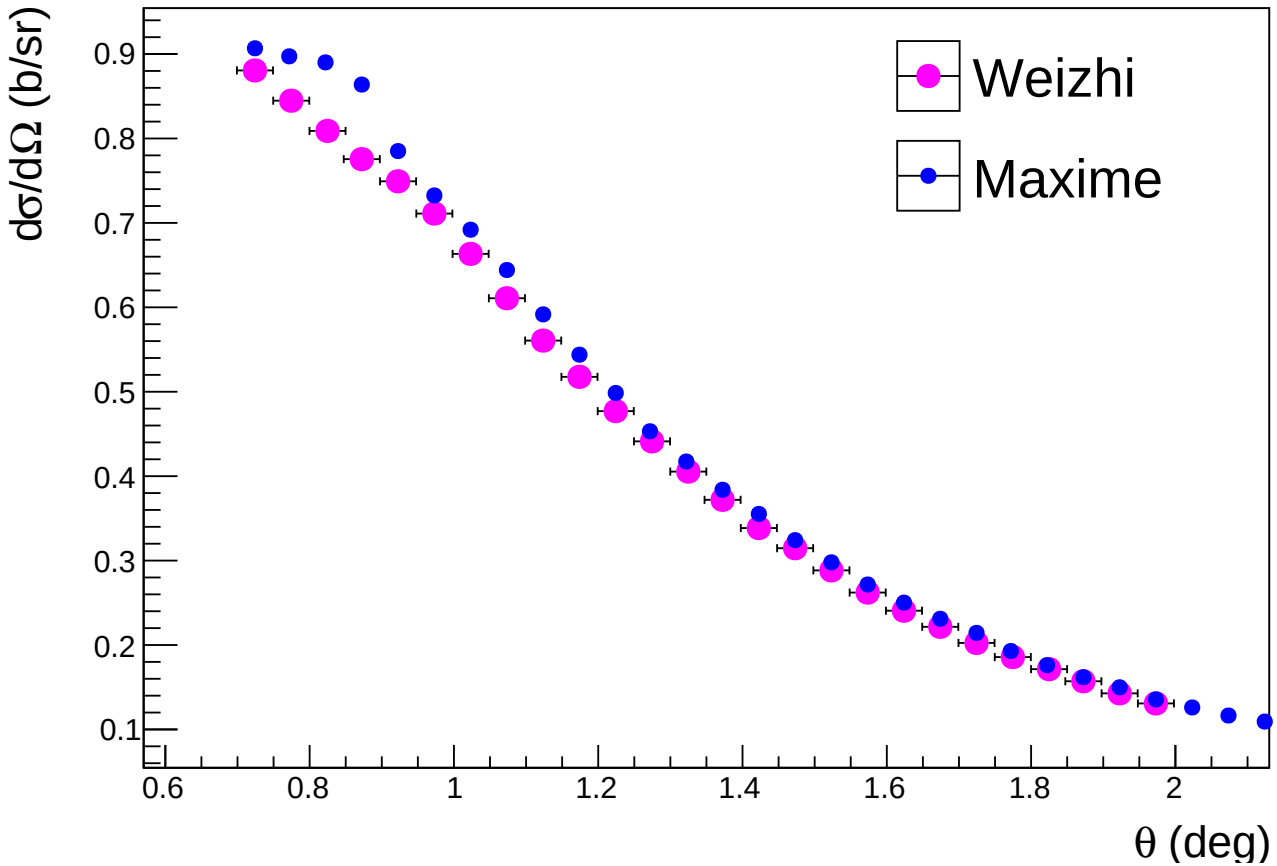
- Discrepancy between 0.75 and 0.9 deg

Ratio

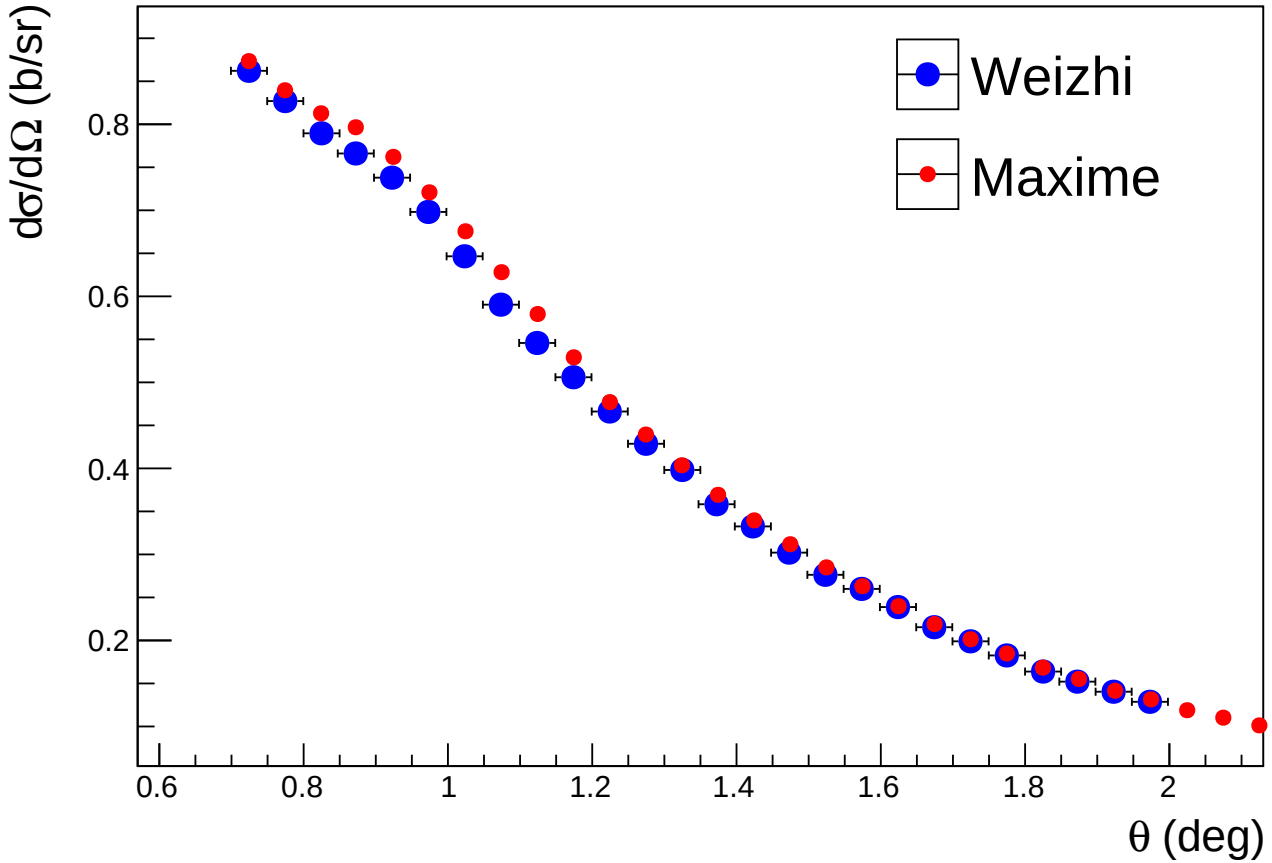


- Almost into systematic uncertainties
- No real trends

Data ep/ee ratio

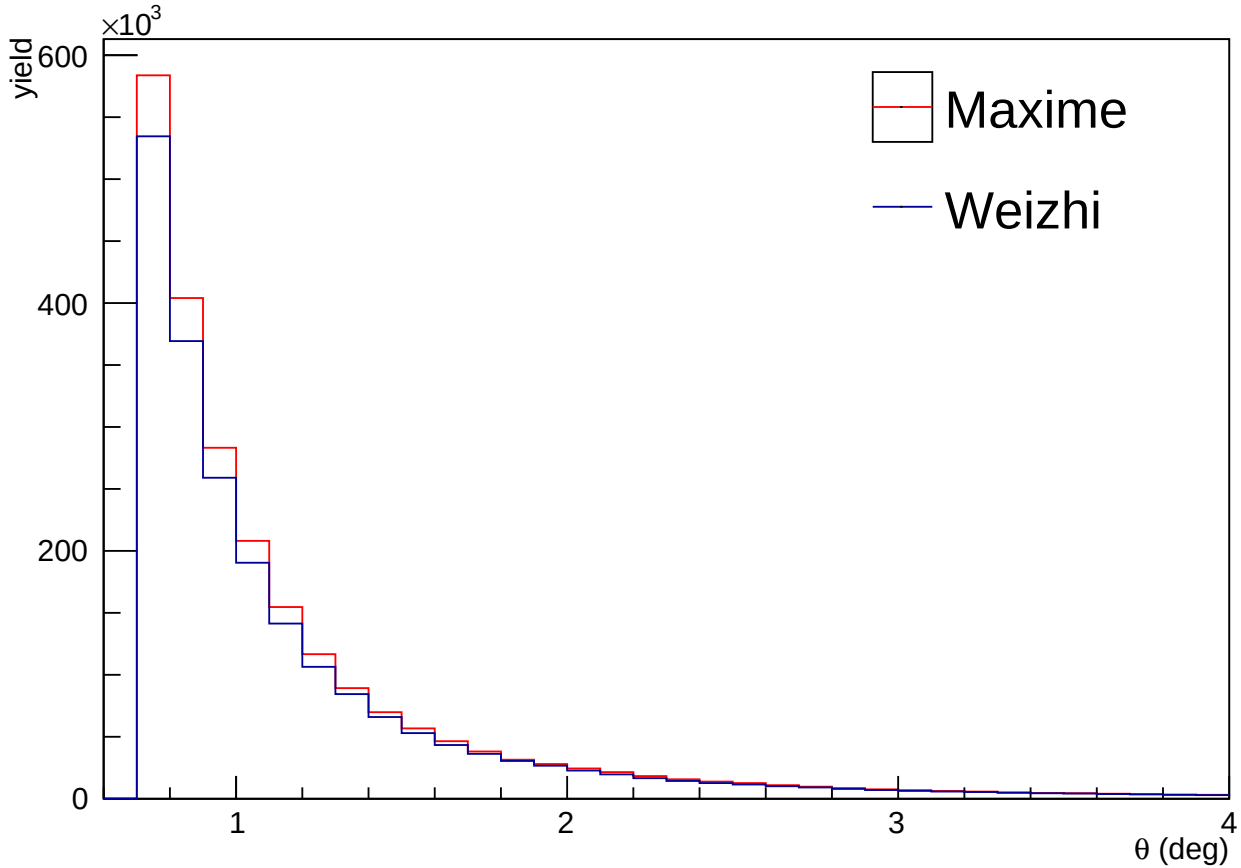


Simulation ep/ee ratio

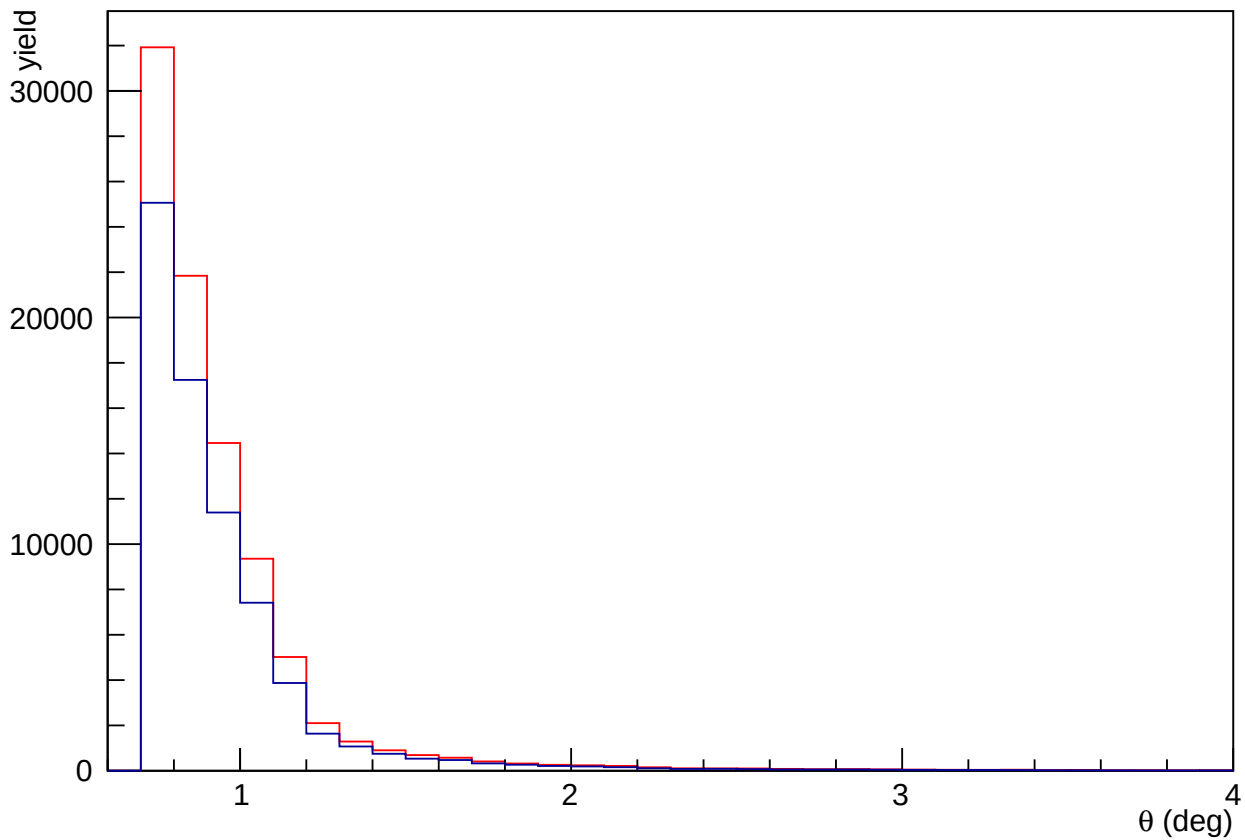


- Same trend as for data but much smaller difference
- Cut let go of more ep background or cut too much ee

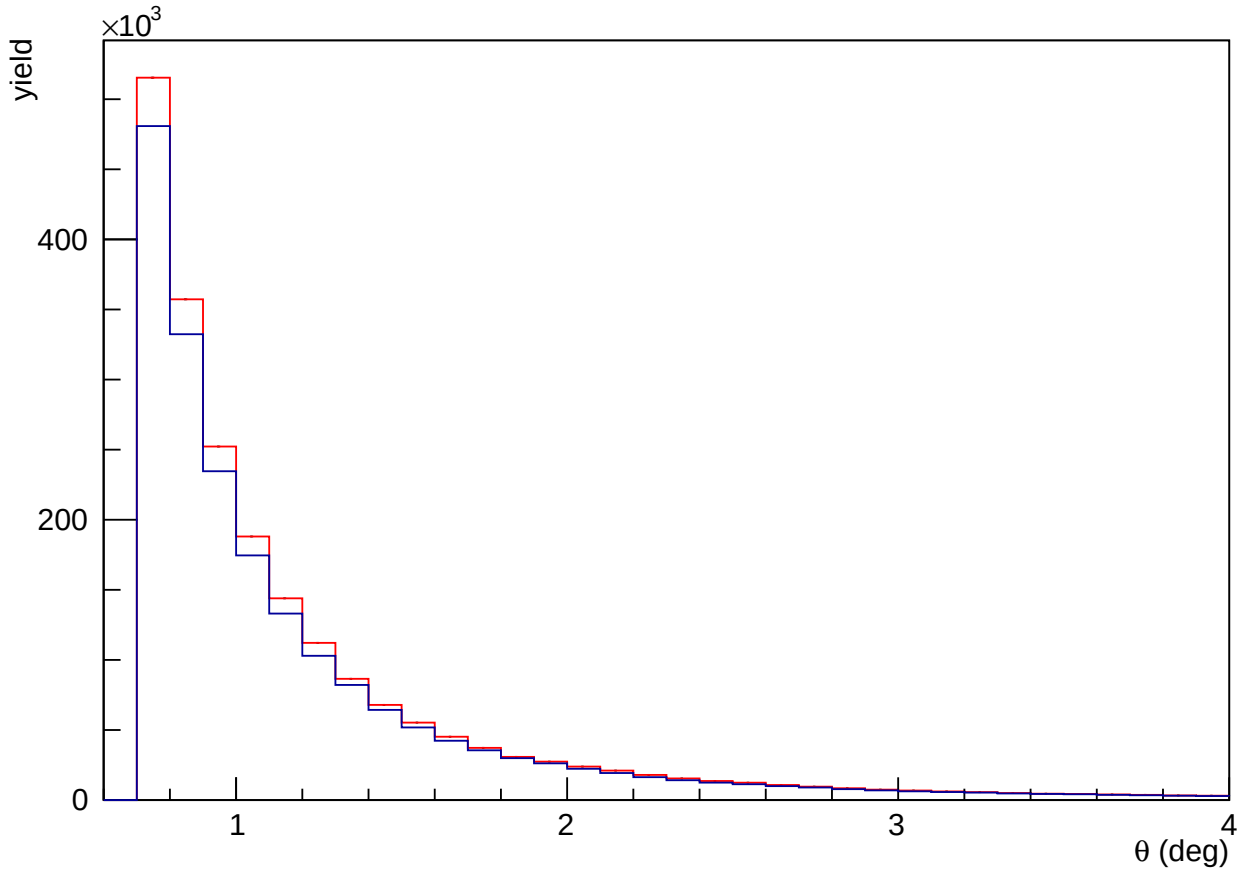
Raw ep Yields (run $\in$ [1448,1454])



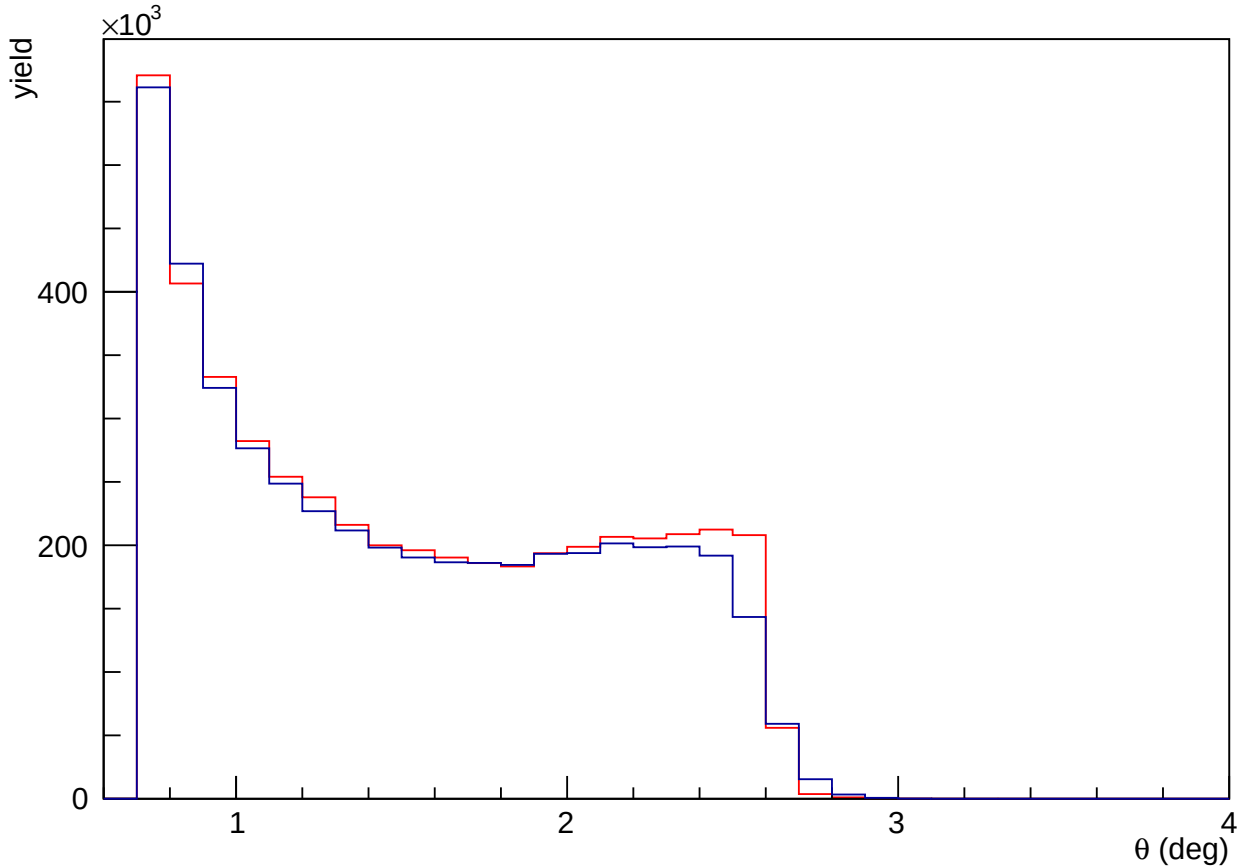
Background ep Yields (run $\in$ [1448,1454])



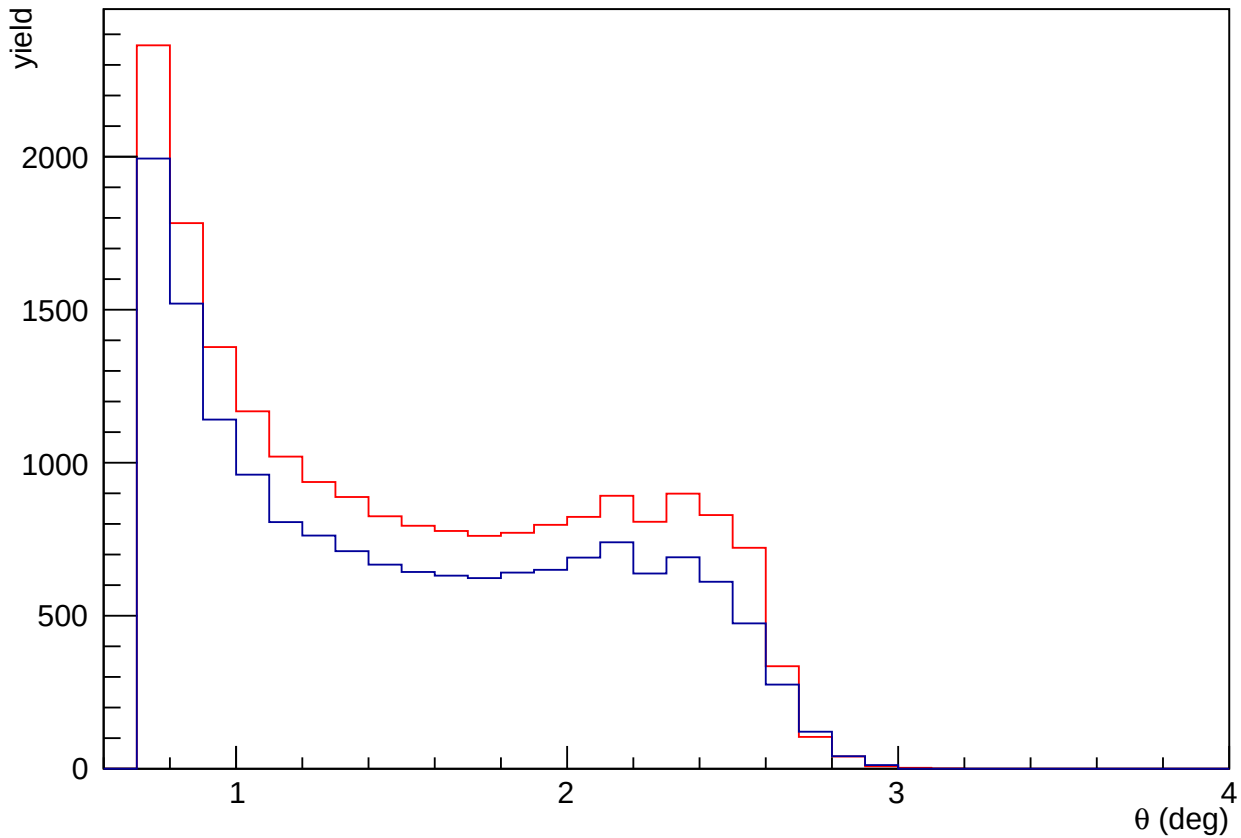
Background subtracted ep Yields (run $\in$ [1448,1454])



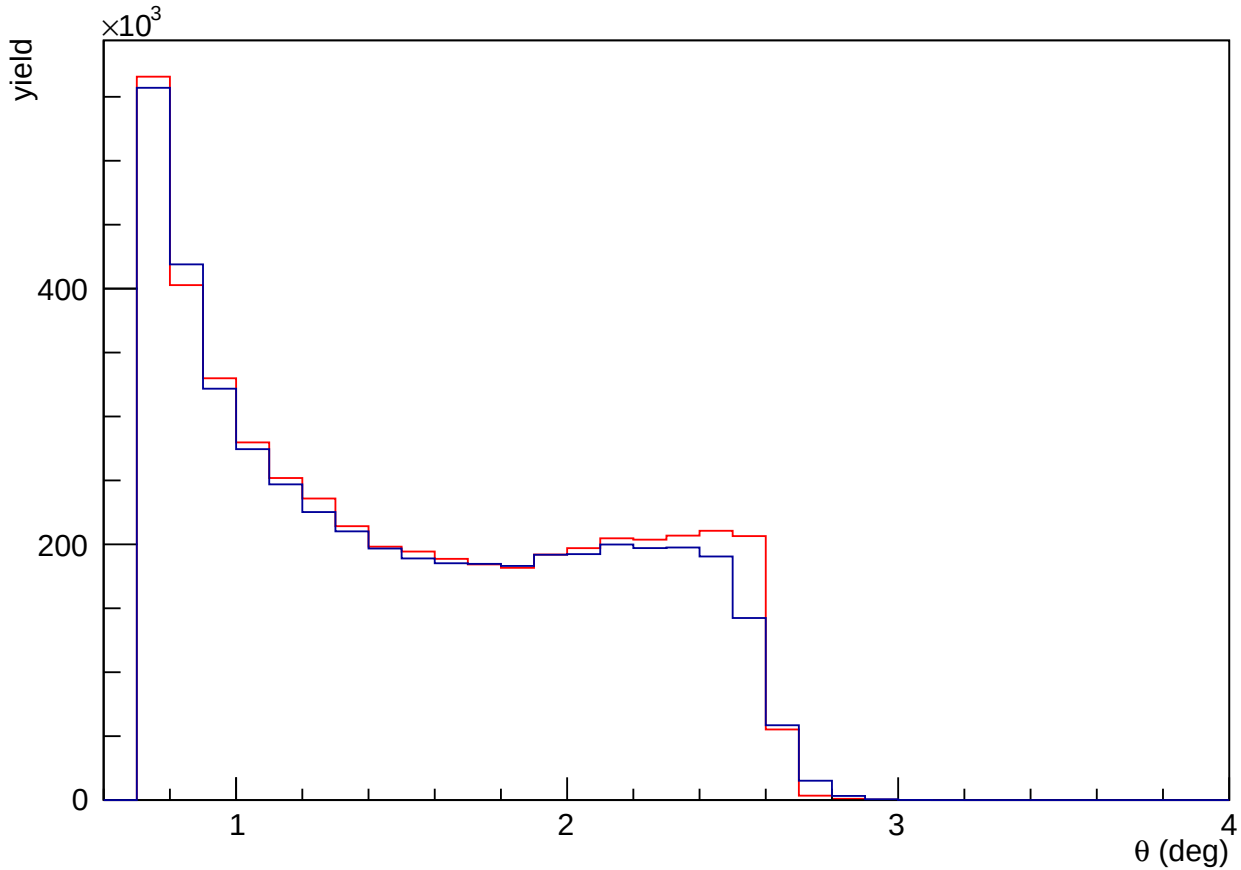
Raw ee Yields (run $\in$ [1448,1454])



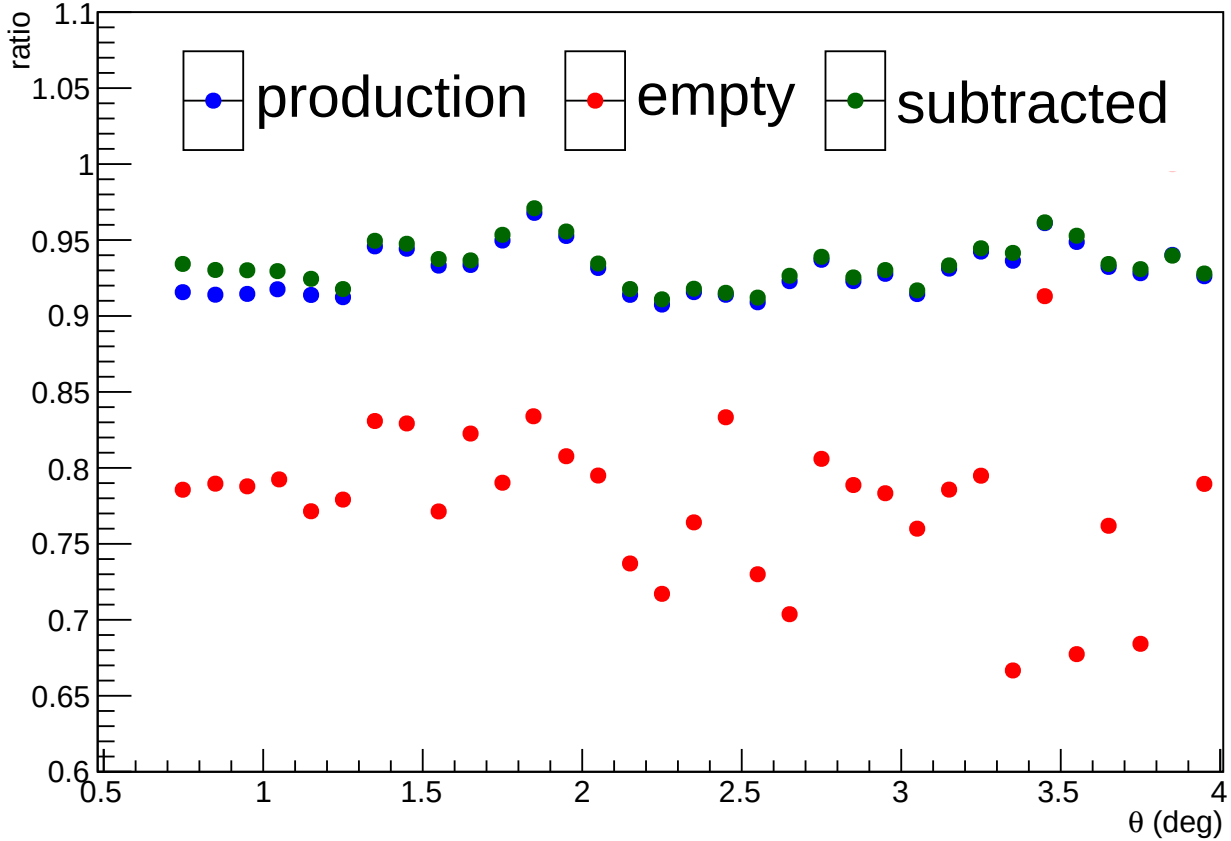
Background ee Yields (run $\in$ [1448,1454])



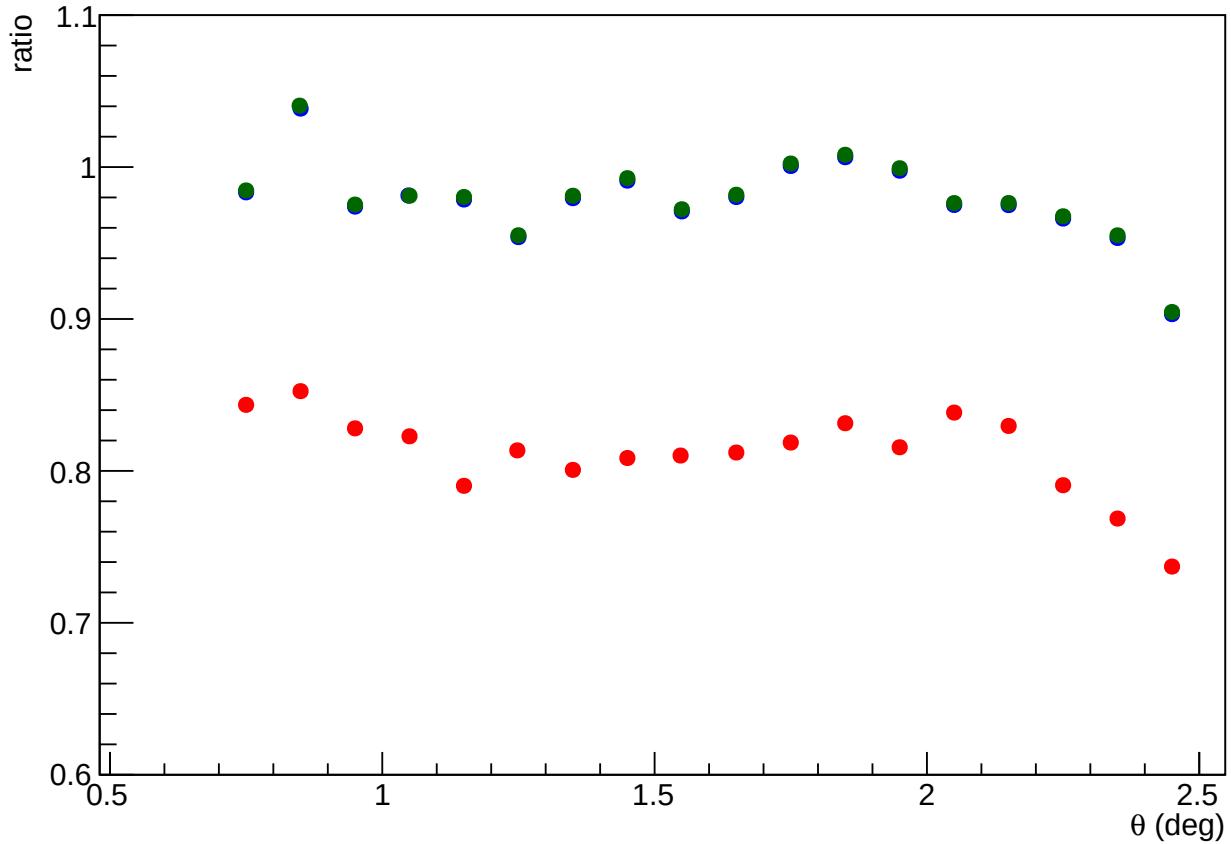
Background subtracted ee Yields (run $\in$ [1448,1454])



Ratios ep Yields (run $\in$ [1448,1454])



Ratios ee Yields (run $\in$ [1448,1454])



Summary

- Weizhi has stricter cut than me, that are more efficient to remove background of empty run
- Need to find which cut

- Geometry Summary available (not fully complete yet) `https://www.jlab.org/prad/minutes/geometry_dexription.txt`