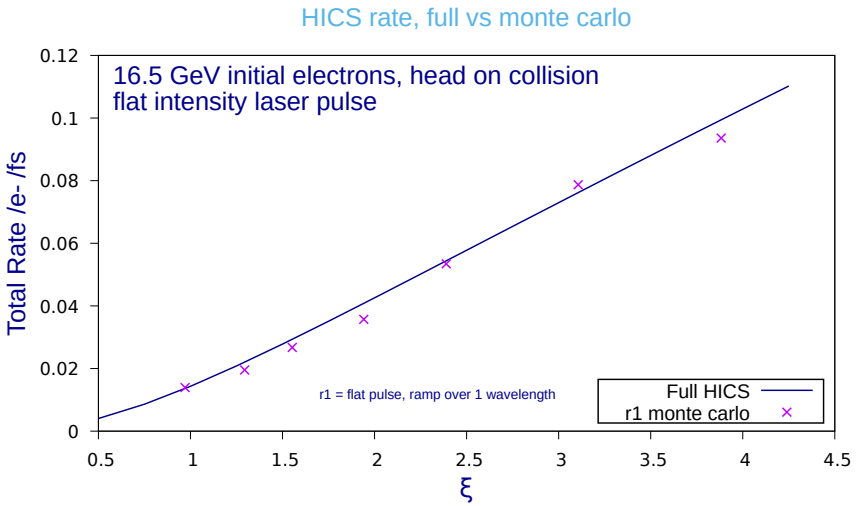
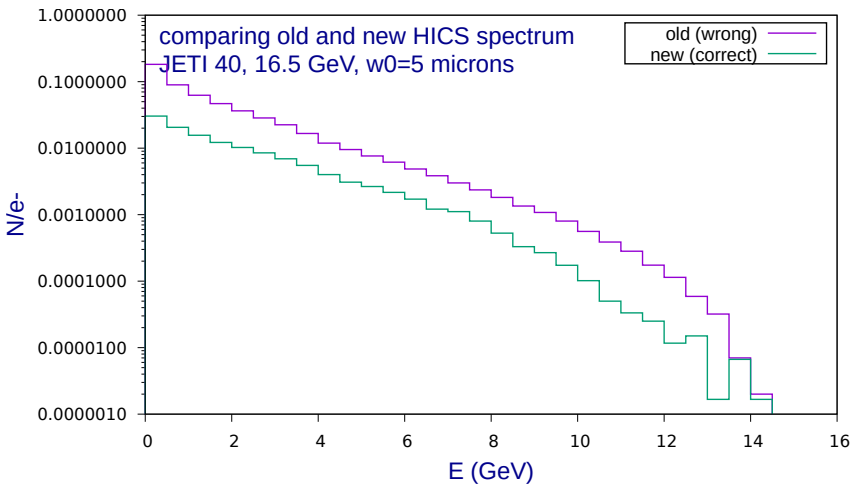
HICS signal summary



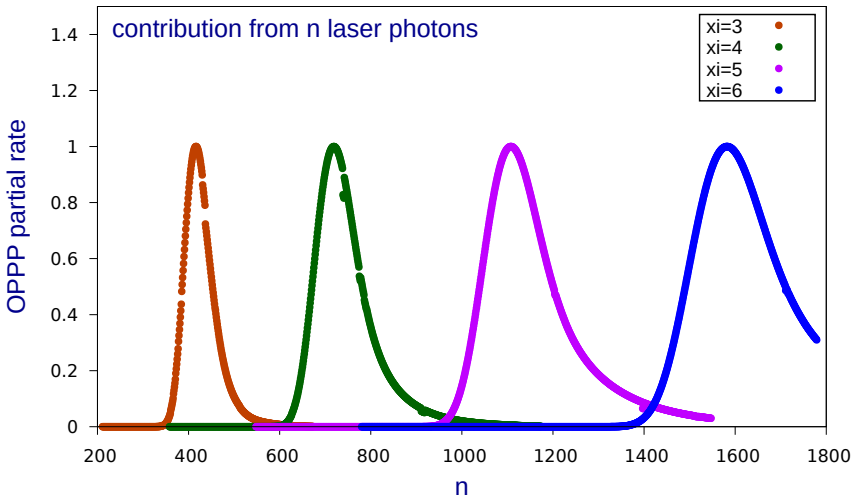


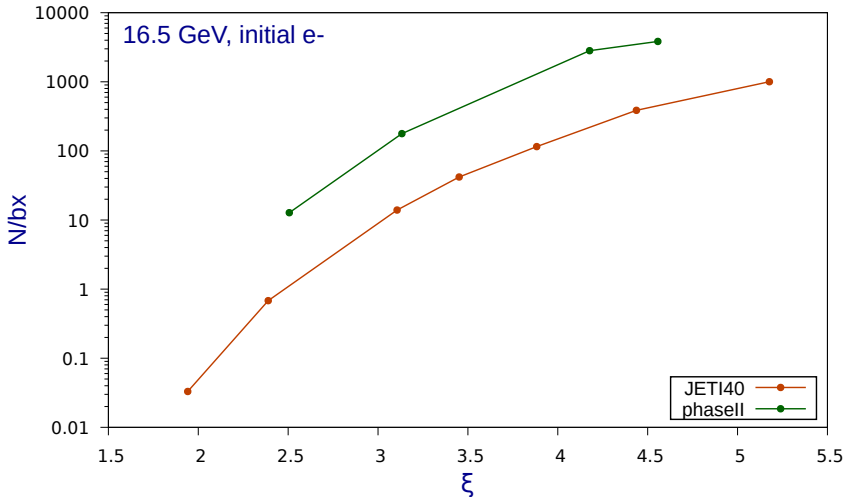
- Updates over the last weeks:
- HICS summation increased to n (laser photons)=$10 * (1 + \xi^3)$. So, HICS spectrum obtained a high energy tail.
- Normalisation fixed. So, overall spectrum decreased
- Validation of total HICS rate against monte carlo.
- Regeneration of e_laser data in progress.

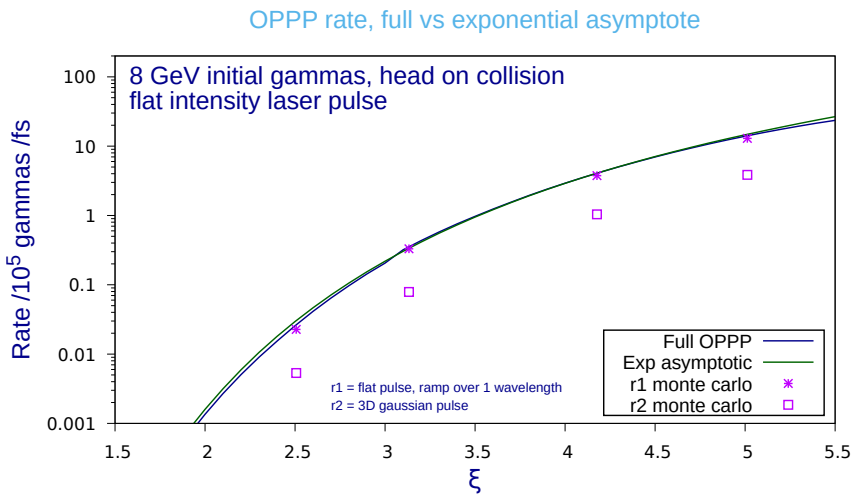
up to date data in /afs/desy.de/user/h/hartin/public/IPstrong_V1.1.00/JETI40
/afs/desy.de/user/h/hartin/public/IPstrong_V1.1.00/phaseII

”old” data in /afs/desy.de/user/h/hartin/public/IPstrong_V1.1.00/superseded_data

OPPP signal summary







- Updates over the last weeks:
- OPPP summation (over n laser photons) needs to be increased for $\xi > 5.5$.
- Validation of OPPP total rate, Exponential asymptote and monte carlo sound to $\xi = 5.5$
- Generally trident in phaseII better because wider pulse for same ξ: more electrons see high ξ central part of pulse