



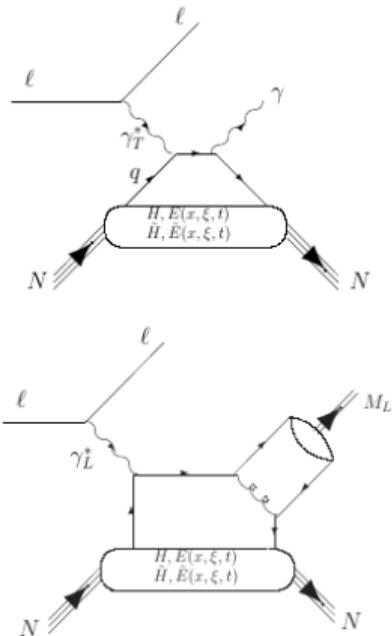
J/Psi DVMP at ECCE



UNIVERSITY
of York

Stuart Fegan
University of York
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ECCE

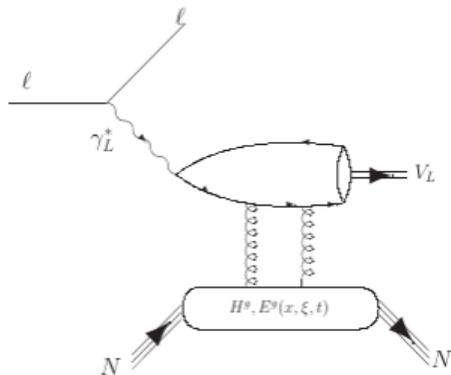


arXiv:1511.04535

- Complimentary to DVCS
- Meson production process allows different flavour combinations to be explored
- EIC offers the opportunity to study gluon GPDs with heavy vector mesons, such as J/Psi
- Some potential analyses are outlined in the Yellow Report, to my knowledge mainly focussed on π^0



DVMP with Vector Mesons



arXiv:1511.04535

- Exclusive vector meson channels ϕ and J/Psi identified for priority study by this group
- I've looked at J/Psi decays in a former life, so have fallen into the latter
- Potential to expand to higher mass VM, e.g. $\psi(2s)$, Υ , worth bearing in mind, but let's walk before we run



Event Generator Progress

- Working with LAger and UVA generators
- The former is distributed in singularity images, configured with `.json` files, and basically good to go
 - Currently verifying compatibility with EICSmear
- The latter is under development by M. Boer (UVA), as an extension of an existing generator framework for fixed target (i.e. JLab) experiments
 - Students available to assist R&D, one each with an interest in ϕ and J/Psi