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# Yellow Report

Diffraction and tagging bi-weekly meeting

*Carlos Munoz, for the PWG conveners*

Feb 27 2020

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# Simulations baseline parameters

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Based on the [current BNL design](#), we suggest, as a starting point for our physics simulations, to study one or several of the following beam energy combinations:

p-e:	275 on 18 GeV,	100 on 10 GeV,	100 on 5 GeV and	41 on 5 GeV
Au-e:	110 on 18 GeV,	110 on 10 GeV and		41 on 5 GeV

With your input and discussions at the Temple meeting we hope to converge soon into a smaller set of center-of-mass energies to study.

For integrated luminosity, we could follow similar assumptions as in the White Paper, i.e.: 10 fb<sup>-1</sup> and 100 fb<sup>-1</sup>.

A polarization of 70% can be assumed for electrons and light ions as a baseline.

# Summary request for Temple meeting

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Measurement/ process	Main detector requirements	Anticipated plot	Physics topic/goal	Responsible person from the WG	Comments
Golden measurement 1					
Golden measurement 2					
Silver measurement 1					
Silver measurement 2					
...					

# Agenda for Temple meeting: <https://indico.bnl.gov/event/7449/timetable/#all.detailed>

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- **Thursday morning:**
  - Plenary (organized by the SC)
- **Thursday afternoon:**
  - Short 5 physics groups together (~1.5h)
  - Parallel sessions (1 session per subgroup): **organized by you (2h)**
- **Friday morning:**
  - Parallel sessions (1 session per subgroup): **organized by you (1.5h+1.5h)**
- **Friday afternoon:**
  - Semi-parallel session: Inv/SIDIS/Jets&Q together, Diff&Tagg/Excl together (2h), hopefully with some detector subgroups joining some of these sessions (**partly organized by you**)
  - Plenary: physics and detector groups all together (2h)
- **Saturday morning:**
  - Plenary: subgroups summaries (~2h)
  - Plenary: discussion on internalization (1h)