ECCE proposal status

Peter Steinberg, BNL / ECCE biweekly / 6 December 2021

ECCE “document DB”

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	**ECCE ID**	**Topic**	**Responsible**	**Github**	**Overleaf**	Versio	Release d	Release link	Assigned reviewer	Review posted	Ove	In proposa	Pages
2	ecce-proposal-eic-cfp	Main proposal	John Lajoie, Tanja Horn, Or Hen	https://githu	https://www	0.9	11/22	https://github.con	ECCE collaboration		https://www.ov		90
3													
4	ecce-note-phys-2021-01	Jet performance note	Tristan Protzman	https://githu	https://www	0.1	11/2	https://github.con	Milap Petal (ISU), Renee Fatemi (UTK)	11/11		Y	11
5	ecce-note-phys-2021-02	Diffractive and tagging group no	Bill Li, Axel Schmidt	https://githu	https://www	0.5	11/2	https://github.con	Raphael Dupre (Orsay)	11/15		Y	58
6	ecce-note-phys-2021-03	Exclusive processes group note	Julie Roche, Rachel Montgomery	https://githu	https://www	0.5	11/2	https://github.con	F.X. Girod (GWU), A. Kim (UConn)	11/10		Y	89
7	ecce-note-phys-2021-04	ReA for D&B	Xuan Li	https://githu	https://www	0.1	11/2	https://github.con	Marzia Rosati (ISU)	11/18		Y	17
8	ecce-note-phys-2021-05	SIDIS kinematics	Ralf Seidl & Charlotte van Hulse	https://githu	https://www	0.5	11/2	https://github.con	Richard Milner (MIT)	11/11		Y	58
9	ecce-note-phys-2021-06	SIDIS spin asymmetries with sin	Ralf Seidl & Charlotte van Hulse	https://githu	https://www	0.9	10/28	https://github.con	Richard Milner (MIT)	11/11/21		Y	38
10	ecce-note-phys-2021-07	SIDIS unpolarized TMD measure	Ralf Seidl & Charlotte van Hulse	https://githu	https://www	0.5	11/2	https://github.con	Harut Avagyan (JLab)	11/8/21			20
11	ecce-note-phys-2021-08	Jet ReA	Raymond Ehlers	https://githu	https://www	0.1	11/5	https://github.con	Megan Connors (GSU), Christine (UTK)	11/16		Y	15
12	ecce-note-phys-2021-09	Inclusive processes group note	Tyler Kutz & Claire Gwenlan	https://githu	https://www	0.1	11/2	https://github.con	Katarzyna Wichmann (DESY)	11/11		Y	65
13	ecce-note-phys-2021-10	Centauro jets (JL)	John Lajoie	https://githu	https://www	0.7	11/2	https://github.con	Renee Fatemi (UTK), Anne Sickles (UIUC	11/15		Y	18
14	ecce-note-phys-2021-11	SIDIS (A_LL)	Ralf Seidl & Charlotte van Hulse	https://githu	https://www	0.5	11/2	https://github.con	Gunar Schnell, Richard Milner	11/14		Y	29
15	ecce-note-phys-2021-12	Spectroscopy	Derek.Glazier@glasgow.ac.uk	https://githu	https://www	0.9	11/3	https://github.con	Justin Stevens (W&M)			Y	22
16	ecce-note-phys-2021-13	Dihadrons	Nathan grau	https://githu	https://www	0.1	11/2	https://github.con	Astrid Morale (LANL), Cesar de Silva (LAN	11/10		Y	14
17	ecce-note-phys-2021-14	BSM group note	xiaochao@jlab.org	https://githu	https://www	0.9	11/3	https://github.con	Guillelmo Gomez-Ceballos (MIT), Hubert Spiesberger (Mainz)			Y	66
18	ecce-note-phys-2021-15	Quarkonium note	Xinbai Li	https://githu	https://www	0	11/10	https://github.con	Peter Steinberg (BNL), Ming Shao (USTC	11/13		Y	26
19	ecce-note-phys-2021-16	3T vs. 1.4T comparison	Or Hen	https://githu	https://www	0							
20													
21													
22	ecce-note-det-2021-01	Magnet	John Lajoie	https://githu	https://www	0	11/17	https://github.con	Ruben Fair (PPPL)	recieved		Y	15
23	ecce-note-det-2021-02	Calorimetry	Friederike Bock & Yongsun Kim	https://githu	https://www	0	11/17	https://github.con	Eugine Chudakov (JLab)			Y	72
24	ecce-note-det-2021-03	Tracking	Xuan Li & Nilange Liyanage	https://githu	https://www	0	11/17	https://github.con	Brad Swatasky (JLab)			Y	31
25	ecce-note-det-2021-04	PID	Greg Kalicy & Xiaochun He	https://githu	https://www	0	11/17	https://github.con	Simona			Y	43
26	ecce-note-det-2021-05	Readout/DAQ	Chris Cuevas & Martin Purschke	https://githu	https://www	0	11/17	https://github.con	David Abbot & Ed Jastrzembski (JLab)	DAQ recieved		Y	24
27	ecce-note-det-2021-06	Far forward/Far backward	Michael Murray, Yuji Goto	https://githu	https://www	0	11/17	https://github.con	FX (JLab)			Y	37
28	ecce-note-det-2021-07	Costing	Doug Higinbotham & Ken Read	https://githu	https://www.overleaf.com/pro			https://github.con	(John Lajoie ?!)			Y	28
29	ecce-note-det-2021-08	Detector infrastructure	John Haggerty & John Lajoie	https://githu	https://www	0		https://github.con	(likely no review)				
30													
31	ecce-note-comp-2021-01	Computing plan	David Lawrence & Cristiano Fanelli	https://githu	https://www	0						Y	24
32	ecce-note-comp-2021-02	Simulation note	Cameron Dean, Jin Huang, Joe Os	https://githu	https://www	0						Y	40
33	ecce-note-comp-2021-03	Software tools	Joe Osborne, David Lawrence, Cri	https://githu	https://www	0						Y	42
34													992
35													
36													

Full set of documents

Posted on the Wix server to control access

The ECCE notes (computing & physics, not including collaboration and cost/schedule) total **992 pages**

(including 26 title pages :))

ECCE Proposal
(Dec. 1st 2021, submitted version)

Detector Tech Notes:

- Magnet
- Calorimetry
- Tracking
- PID
- Readout/DAQ
- Far forward/Far backward
- Detector infrastructure
- Computing plan
- Software & Simulation
- AI Assisted Design

Physics Tech Notes

- Jet reconstruction resolution
- Diffractive and tagged reactions
- Exclusive reactions
- Open Heavy Flavor nuclear modification
- DIS/SIDIS kinematic reconstruction
- SIDIS single hadron transverse spin asymmetry
- SIDIS unpolarized TMDs
- Jet nuclear modification (ReA)
- Inclusive DIS
- Jet reconstruction (Centauro)
- SIDIS Long. Double Spin asymmetry (A_LL)
- Spectroscopy
- Dihadron Correlations
- BSM & EW
- Exclusive J/Psi Production

Cost and Schedule

- Cost and Schedule Note
- Project Cost/Schedule Sheets
- WBS Details:
  - Cost Summary at L4
  - Cost Summary at L5
  - Detailed Costing
  - Cost Estimate
  - Basis of Estimate by WBS
  - Reuse Summary
  - In-Kind Summary
  - Labor Summary
  - Materials Summary
  - Det. Mgmt. WBS
- Schedule Details:
  - Detailed Schedule
  - Schedule Summary
- WBS Dictionary
- Basis of Planning
- Assumptions Log
- Executive Narratives
- Basis of Estimate
- Risk and Opportunities Log

Collaboration

- Consortium Structure
- Code of Conduct

International In-Kind EOI

- EIC-Japan
- EIC-Korea
- EIC-Taiwan
- China
- EEEMCal Consortium
- Glasgow and York
- UTFSM Chile
- EIC-Israel

Discussion with BNL/SDCC

- **ECCE proposal process is complete**
  - Submitted to BNL/JLab on December 1

- **In the end, we decided *not* to distribute documents on Zenodo**
  - DOI situation was unclear to us, and we do not want “temporary” DOIs (e.g. having “zenodo” in it is undesirable)
  - First release is only to labs & Detector Proposal Advisory Panel, and not to the community
    - *Thus, we posted our full set of documents on a private server*

- **However, the goal is to post to Zenodo (or InvenioRDM) as soon as possible provided things are ready**
  - future-proof DOIs (e.g. not with “zenodo”)
  - access model is clarified (some docs may need to be protected)

- **Ideally this will happen just after the DPAP meeting (12/13-15)**
  - https://www.bnl.gov/dpapanelmeeting/

If docs are not public until January, less short term pressure for DOIs, but Zenodo will not be useful notes and proposal until that is sorted out. Hopefully available by the time documents submitted to arXiv.

Still urgent need for straightforward access control to resources.