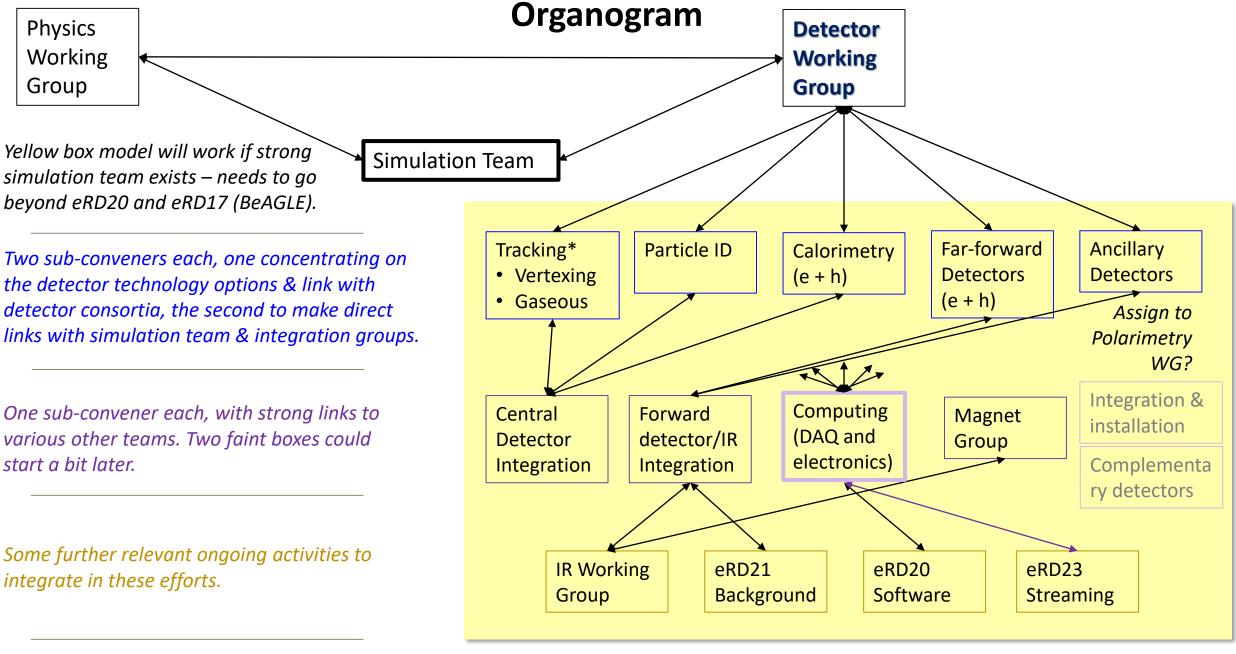
Detector Working Group – Introductory Remarks

- Organization should be an organically grown structure open to all groups (new or already well-known in EIC efforts)
- Anticipate that this structure will evolve with time effectiveness has to be checked as the work begins
- The model assumes a strong simulation team that needs to go well beyond the eRD20 (software) and eRD17 (BeAGLE) efforts

□ Need to engage strong electronics groups from the start



*One additional sub-convener (to cover each of these distinct and evolving detector technologies)

Organizational Structure (I)

Assume a separate strong simulation team efforts working together with both Physics and Detector WGs

□ The organization starts from the references given:

- science as from EIC white paper,
- known detector requirements,
- listed introductory documents,
- detector-consortia related papers

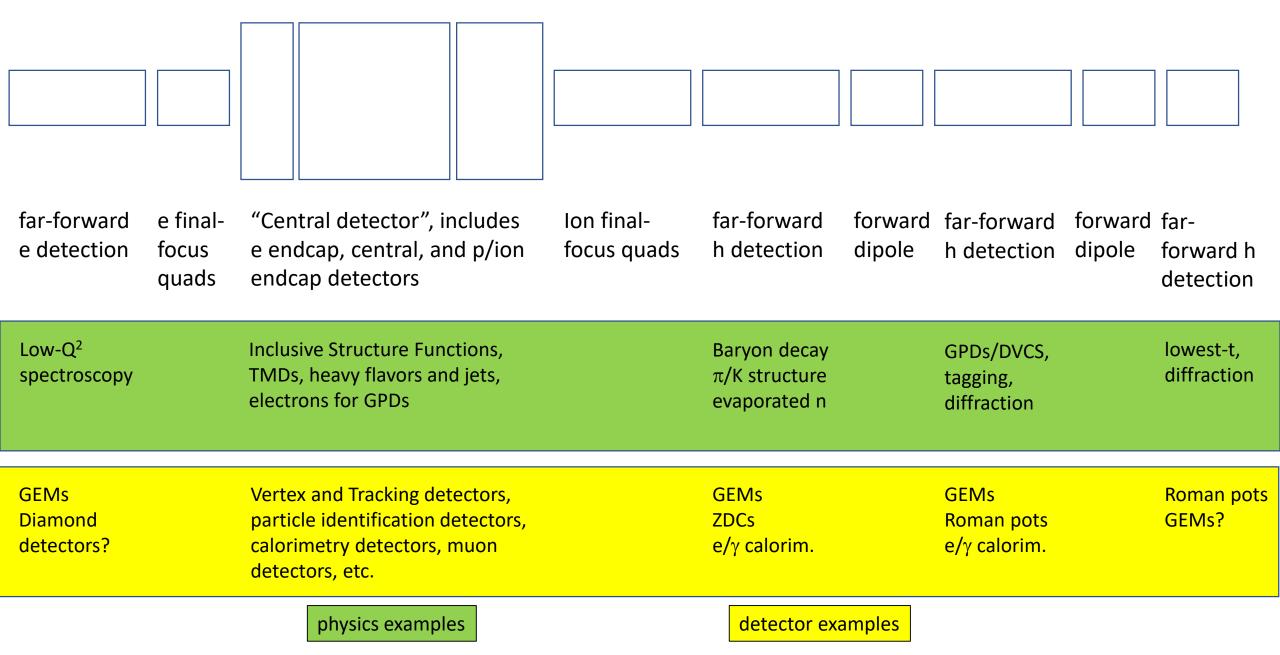
The Central Detector here includes the central detector itself and both electron and proton/ion endcaps

□ The Ancillary Detectors here includes both polarimeters and luminosity monitors. We hope the Polarimetry WG is willing to include the luminosity monitor scope.

Organizational Structure (II)

- We assume *two sub-conveners* each for particle identification detectors, calorimetry, and far-forward detectors (including tracking, Roman Pots, ZDCs, etc.). Far-forward is after the final-focus quads. We assume *one additional sub-convener* for tracking detectors to cover the two technologies (vertexing and gaseous).
 - One of these sub-conveners concentrates more on the detector technology options and link with detector consortia, the second sub-convener on coordination with simulation team & integration groups.
 - > As first task, we would ask each of these groups to first start with listing pros and cons of possible detector technologies, and a general set of parameters associated with each linking to simulations.
- □ We assume *one sub-convener each for various overarching activities*: the central detector integration, the forward detector/IR integration, the readout- and computing-related activities, and the magnet field choice.
 - > We have indicated several further ongoing activities to integrate in such overarching activities.
 - > As first task, we would ask these sub-conveners to list what activities are required over the next 6-12 months, and what questions need to be answered.
- □ We assume the Integration & Installation and Complementarity of two detectors activities *can start later*, and can either assign one sub-convener or initially assign this scope to the Detector WG conveners.

Organizational Cartoon/Model of the Extended Detector and IR



Detector WG Sub-conveners

System	Sub-convener names	Sub-convener task
Tracking	1. 2. 3.	(vertex) detector technologies (gaseous) detector technologies simulation, integration coordination
Particle Identification	1. 2.	detector technologies simulation, integration coordination
Calorimetry (e + h)	1. 2.	detector technologies simulation, integration coordination
Far-forward detectors	1. 2.	detector technologies Simulation, integration coordination
Ancillary detectors	Polarimetry WG?	detector technologies
Central detector integration	1.	integration tasks
Forward detector/IR integration	1.	integration tasks
Readout and Computing	1.	list of activities/tasks needed
Magnet(s)	1.	field strength need, pros and cons
Integration and Installation	NA yet	NA yet
Detector Complementarity	NA yet	NA yet
Simulations (shared with Physics WG)	1. – n.	work with both WGs central to progress

Detector WG Parallel Sessions

Thu 12/12

	Welcome	Richard MILNER
	Kolker Room, MIT Laboratory for Nuclear Science	09:00 - 09:10
	Introduction	Prof. Bernd SURROW
	Kolker Room, MIT Laboratory for Nuclear Science	09:10 - 09:30
	Organization: Physics/Detector Working Grou	P
	Kolker Room, MIT Laboratory for Nuclear Science	09:30 - 09:40
	Organization: Detector/Physics Working Grou	P
	Kolker Room, MIT Laboratory for Nuclear Science	09:40 - 09:50
	Organization: Accelerator Physics Experiments	s Working Group
	Kolker Room, MIT Laboratory for Nuclear Science	09:50 - 10:00
10:00	Introduction to eRHIC and JLEIC IR Concepts	Vasiliy MOROZOV et al.
	Kolker Room, MIT Laboratory for Nuclear Science	10:00 - 10:30
	Coffee Break	10.00 - 10.30
		10:30 - 11:00
11:00	Kolker Room, MIT Laboratory for Nuclear Science Outline of Detector Requirements	Dr. Alexander KISELEV et al.
	-	
	Kolker Room, MIT Laboratory for Nuclear Science	11:00 - 11:30
	Ancillary Measurements	Dr. Elke-Caroline ASCHENAUER et al.
	Kolker Room, MIT Laboratory for Nuclear Science	11:30 - 11:45
	Overview of EIC Generic Detector R&D Progra	
12:00	Kolker Room, MIT Laboratory for Nuclear Science EICUG Software Summary	11:45 - 12:00 Dr. Markus DIEFENTHALER
	Kolker Room, MIT Laboratory for Nuclear Science	12:00 - 12:45
13:00		Working Lunch: Physics/Detector and
13:00	Kolker Room, MIT Laboratory for Nuclear Science	Working Lunch: Physics/Detector and Detector/Physics Working Group Conveners
13:00 14:00	Parallel Session:	Detector/Physics Working Group Conveners
	Parallel Session:	Detector/Physics Working Group Conveners
14:00	Parallel Session: Physics/Detector Working Group Detector/P Detector/P	Detector/Physics Working Group Conveners Lourie Room, MIT Laboratory for Nuclear Science ssion: hysics Working Group Parallel Session: Accelerator Physics Experiments Working Group
L4:00 L5:00	Parallel Session: Physics/Detector Working Group: Detector/P Detector/P More and the session of	Detector/Physics Working Group Conveners Lourie Room, MIT Laboratory for Nuclear Science ssion: hysics Working Group Parallel Session: Accelerator Physics Experiments Working Group
14:00	Parallel Session: Physics/Detector Working Group Detector/P Detector/P	Detector/Physics Working Group Conveners

Initial time of parallel session (14:00-15:45) to gather input from attendants on proposed structure/organization and iterate.

Last hour (15:45-16:45) on Thursday will be a closed session for WG conveners only to settle on sub-convener names in face-to-face meeting.