ZDR for eRHIC:

- **Physics with eRHIC** → **Physicists**
  - Physics with EIC
  - Detector concepts
- **Accelerator Design**
  - Hadron beam → **BNL**
    - RHIC
    - Electron cooling
    - ...
  - Electron beam → **MIT, BNL**
    - Injector (polarized source, linac, recircul)
    - Storage ring (polarization, polarimeters)
  - Interaction Region → **BNL**
    - …

ZDR for eRHIC:

- **Organization and management** → **BNL, MIT**
- **Appendices** → **BNL, MIT**
  - **Linac-Ring option for EIC (upgrade)** → **BNL**
  - **Technical Issues**
    - **Controls system**
    - **….**

For the ring-ring option:

We propose MIT-Bates to coordinate the ZDR efforts on the <u>electron beam from the injector up to the IR</u> . This clearly means the involvement/interaction of BNL as well.

• ZDR Preparation

(June-December 2003)

- Table of content

- Time table, work assignments

- Collaboration meetings:
  - videoonferencing: How often ? (biweekly)
  - Face to face meeting How often ? (monthly)

- A web page for ZDR document in progress (password protected)

- review of ZDR document(?)

- ……..

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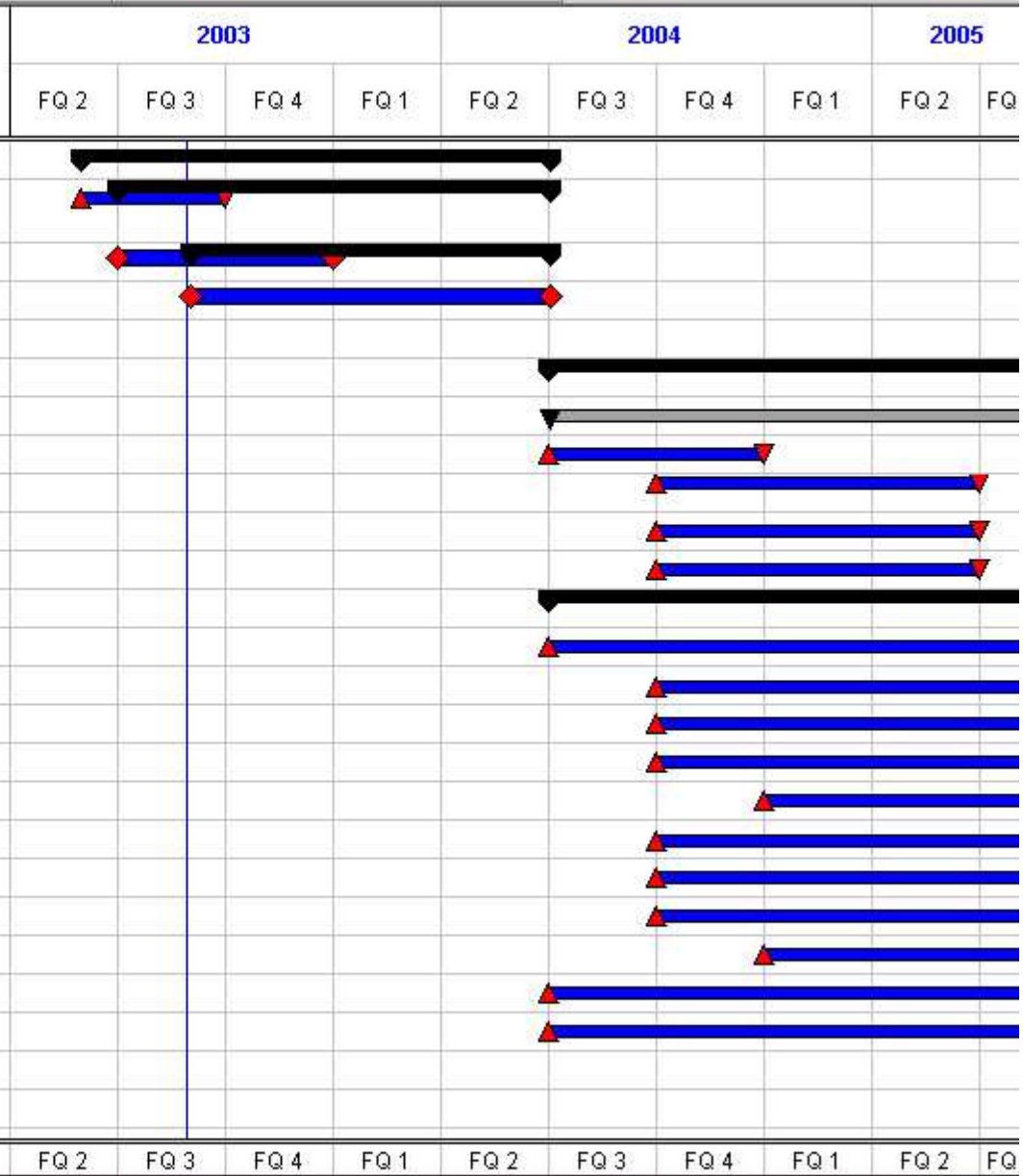
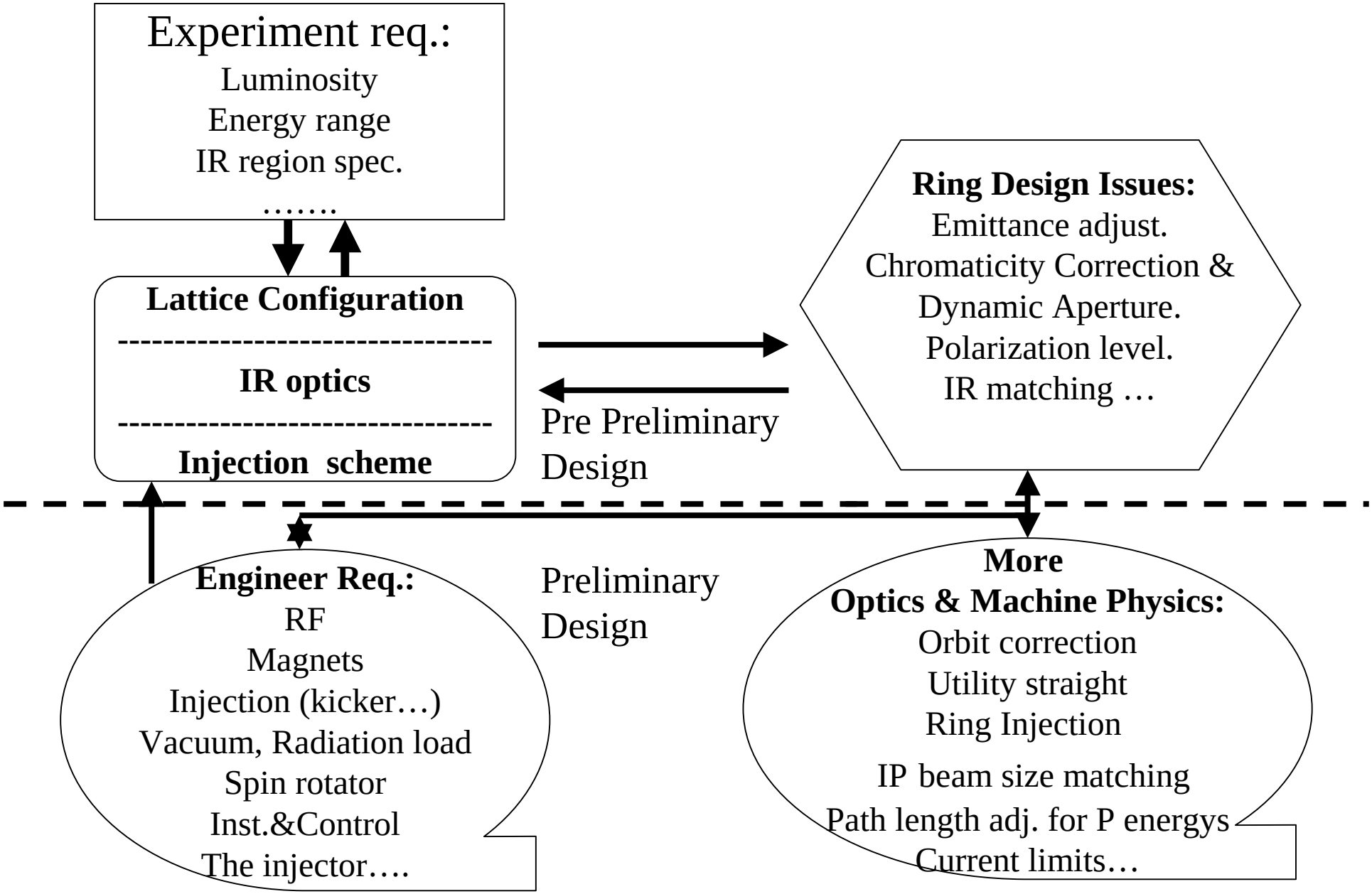
WBS	Activity Name	Start Date	Finish Date
1	**Initial EIC design Report**	3/1/03	4/2/04
1.1	Bates draft Report	2/28/03 4/1/03	6/30/03 4/2/04
1.1.1	Meeting with BNL	4/1/03	9/30/03
1.1.1.1	Prepare PDR	6/1/03	4/2/04
1.1.1.2			
2	**Conceptual Design**	4/1/04	9/30/05
2.1	**Injector**	4/1/04	9/30/05
2.1.1	Linac polarized injector	4/1/04	9/30/04
2.1.2	Superconducting Linac	7/1/04	3/31/05
2.1.3	Recirculator	7/1/04	3/31/05
2.1.4	Beam lines	7/1/04	3/31/05
2.2	**Electron Ring**	4/1/04	9/30/05
2.2.1	Optics and systems	4/1/04	9/30/05
2.2.2	Magnetic system	7/1/04	6/30/05
2.2.3	RF system	7/1/04	6/30/05
2.2.4	Vacuum system	7/1/04	9/30/05
2.2.5	Instrumentation & controls	10/1/04	9/30/05
2.2.6	Injection system	7/1/04	6/30/05
2.2.7	Polarimeters	7/1/04	6/30/05
2.2.8	Spin rotator	7/1/04	6/30/05
2.2.9	other systems (wiggler etc.)	10/1/04	9/30/05
2.2.10	IR region	4/1/04	9/30/05
2.2.11	Conventional facilities	4/1/04	9/30/05
2.3	**Detector Design**		
2.3.1			
Count: 31			



ivities | Schedule View | Arrow Tool | 4/1/03

eRHIC Electron ring work flowchart 03/14/2003