

Status of ZDR for the electron beam

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BNL, eRHIC Collaboration meeting, August 19-20, 2003

- ZDR with outlines for each section (electron)
- Tentative dates for ZDR preparation

ZDR

- Table of Contents (July 2003)
- Outlines for each section (August 1 2003)

ZDR for eRHIC

Chapter 1:

- 1.1 Physics performance requirements (A. Deshpande, R. Milner)
- 1.2 General accelerator concept and parameters (V. Ptitsyn, T. Roser, MIT)

Chapter 2: Electron beam (MIT, BNL)

Chapter 3: Ion beam (BNL)

Chapter 4: Interaction Region Design (BNL)

Chapter 5: Project Planning (BNL, MIT)

Appendix A: Linac-Ring option (I. Ben-Zvi, J. Kewisch, V.Litvinenko)

Appendix B: Self-Polarizing e-Ring option (Yu.Shatunov, V.Ptitsyn)

Appendix C: Consideration of Multiple Interaction Regions (R.Milner, A.Deshpande)

Appendix D: FFAG as an injector for electron ring



Table of Content

Tentative dates for ZDR chapters

(Goal: January 1, 2004)

1. *Electron chapter (MIT, BNL)*
 - 1st draft from contributors October 15, 2003
 - editing/merging/revision November 15
 - submission to eRHIC November 15

2. *Other chapters and appendices (BNL, etc)* (November 15)

3. *Integration of ZDR document*
 - Merging all ZDR chapters (1st draft) (December 15) ?
 - Revisions/editing (January 1, 2004) ?

4. *Outside Reading/Reviews* (??)

Goal of finishing the ZDR by January 1, 2004 is ambitious
but achievable