HERA Plans and Schedule

HERA- Experiments Coordination Meeting
May 14 2001

- Present Status of Installations
- Re-Commissioning Plans
- Switching from Positrons to Electrons

Present Status of Installations and Tests

End of Installations:

HERA North (incl. WR & EL: Final Check on April 27; Tunnel Closed on April 30;

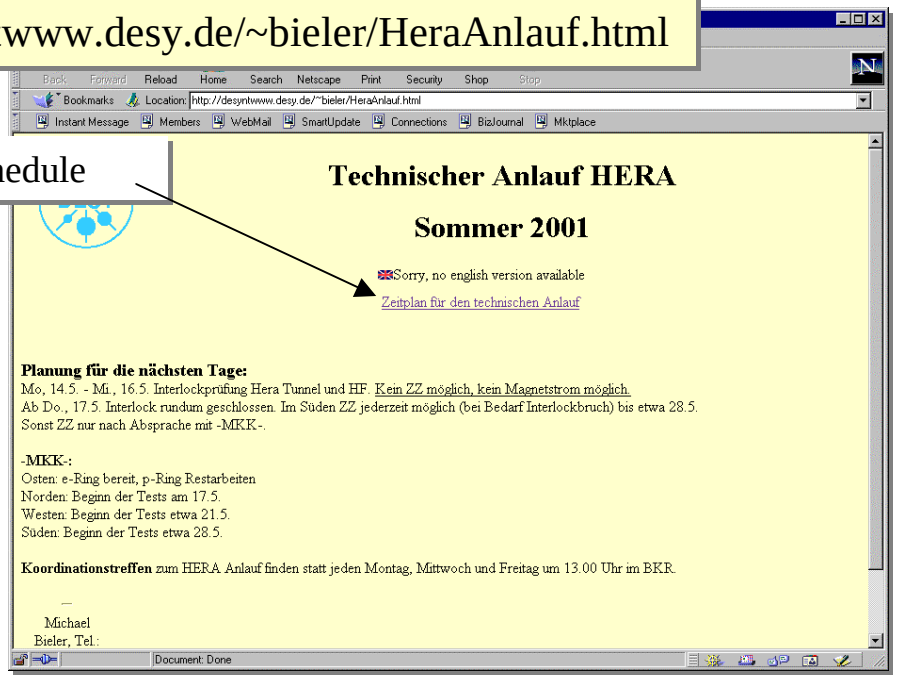
HERA South (incl. WL & ER: Final Check on May 11; Tunnel Closed on May 11;

Still to be done: smaller repairs, surveying, tests with access, wire systems, collimators…..

Please note Technical Coordinators Webpage

http://desyntwww.desy.de/~bieler/HeraAnlauf.html

Detailed schedule



Present Activities:

Magnet Power Supply tests in the East Quadrant since Wednesday, May 9

Interlock Tests HERA Tunnel (incl. RF Systems) Monday, May 14- Wednesday, May 16

Magnet Power Supply Tests HERA North Starting from Thursday, May 17,

HERA Run 2001

HERA Schedule 2001	upda	4/24/01 18:06		
		Begin	Duration/Day	End
Startup 2001		18-Jul-01	1	19-Jul-01
Establish Beam Operation		18-Jul-01	26	13-Aug-01
Maintenance day *)		13-Aug-01	1	14-Aug-01
Explore Optics		14-Aug-01	24	7-Sep-01
Turn-On Detector Fields		7-Sep-01	17	24-Sep-01
Maintenance day*)		24-Sep-01	1	25-Sep-01
Set up & Optimize Collisions		25-Sep-01	12	7-Oct-01
Investigate Synchr. Radiation		7-Oct-01	15	22-Oct-01
Break for Experiments		22-Oct-01	3	25-Oct-01
First Luminosity Runs		25-Oct-01	21	15-Nov-01
Polarization Tuning		15-Nov-01	7	22-Nov-01
Turn on North/South rotators		22-Nov-01	11	3-Dec-01
Maintenance day*)		3-Dec-01	1	4-Dec-01
Luminosity Run		4-Dec-01	18	22-Dec-01
Maintenance Period		22-Dec-01	16	7-Jan-02
Startup 2002		7-Jan-02	3	10-Jan-02
Polarization Tuning		10-Jan-02	11	21-Jan-02
Start Luminosity Run		21-Jan-02	1	22-Jan-02

Switching from Positrons to Electrons

<u>Condition:</u> High Luminosity Running with Positrons well established: Expectation April 2002

- **<u>Vacuum Systems</u>**: Designed to stay under vacuum, this is still the plan
- **<u>Surveying:</u>**
  need 2 days to measure initial positions (5m -60m,one side of the IP)
  1 day to adjust magnets on the bridge, 1-2 days to remeasure, readjust
  = 1 week per side per IP two teams: **2 weeks total**
- **<u>Machine Files and Setup</u>**
  one week to set up files
  one week to reoptimize procedures and parameters
- Desirable : one week machine studies to study electron related phenomena

→ **one Month interruption of Luminosity Run**