



Project Review

*Mechanical Department
14. -16. December 2009*

Overview



- *Employees*
- *Project reports*
- *Some statistics*
- *outlook*

Employees



MECHANIK

Leitung: Haubold, Thomas
Stv.: Wetteskind, Holger

Sekretariat

Kielas Martina

Fertigungstechnik

Ltg.: Hofmann, Reinhard
Stv.: Kastner, Rainhard
Stv.: Wimmer, Alexander

Mechanische Fertigung:

Boisnel, Sonja
Eichenlaub, Markus
Heintz, Johann
Kosmale, Walter
Mühlbauer, Peter
Tsiantas, Joannis
Weber, Christoph
Wehrmeister, Marco

Kunststoffbearbeitung:

Lippert, Markus
Töpper, Enrico
Tratzl, Günther
Vanoni, Paul
Wamsler, Dominik
Winklmüller, Günther

Ausbildung (Mechanik)

Ltg: Kastner, Reinhard
Stv.: Boisnel, Sonja

Dosch, David
Karpezki, Waldemar
Laubmeier, Rupprecht
Schäfer, Florian
Sedlak, Alexander
Stürzer, Alexander

Schweissen:

Schramm, Wolfgang

Holzbearbeitung:

Ott, Gerhard

Lager:

Burrack, Martin
Stv.: Schramm, Wolfgang

Konstruktion

Ltg: Haubold, Thomas
Stv.: Wetteskind, Holger

Ackermann, Karl-Heinz
Finenko, Gennagy
Jablonski, Christopher
Mayer, Stefan
Podkladkin, Sergey
Stadler, Marcus
Tsiantas, Panagiota
Vogt, Sven
Liebicher, Klaus

Employees



19 mechanics work at the mechanical workshop, the fitter's shop, joiner's workshop and the storage

8 engineers and one draftsmen work at the mechanical design office

Employees



6 apprentices get their mechanical training in our workshop

As every year our trainees were employed for 6 month after their successfully apprenticeship.

Project report



The mechanical department is involved in a lot of experiments e.g.

- *MAGIC*
- *GERDA*
- *ATLAS*
- *CRESST*

Project report MAGIC II



April 2009 the mechanical department prepared together with other MPP-colleagues the inauguration of the MAGIC II telescope in La Palma.



Project report MAGIC II



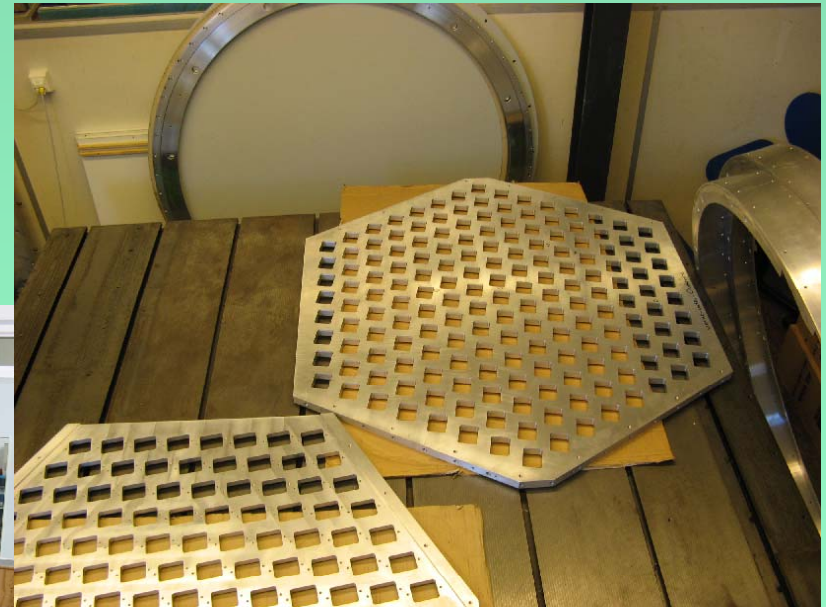
The stele at the MAGIC telescope site was designed, manufactured and mounted by the mechanical dep.



Project report MAGIC I



The assembly of the MAGIC I upgrade camera is in process. Most of the mechanical parts were delivered or produced in our mechanical workshop.

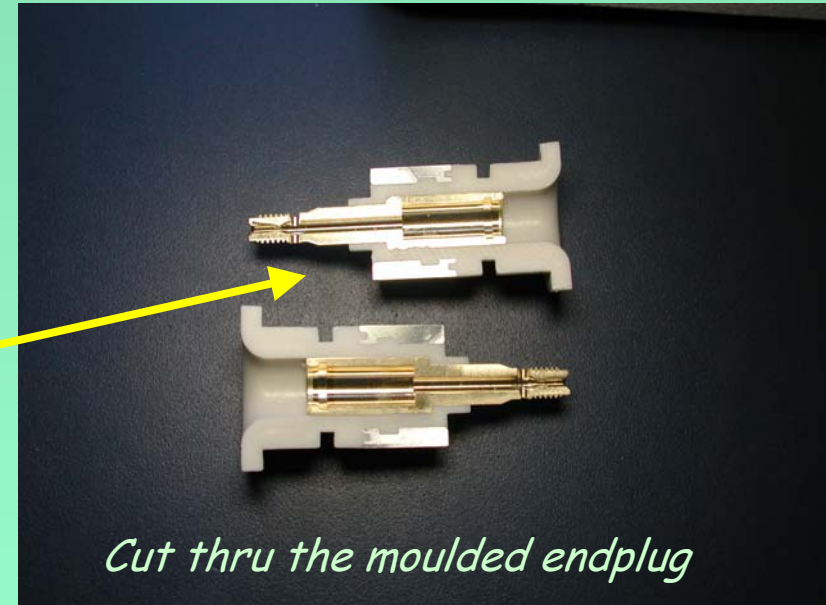
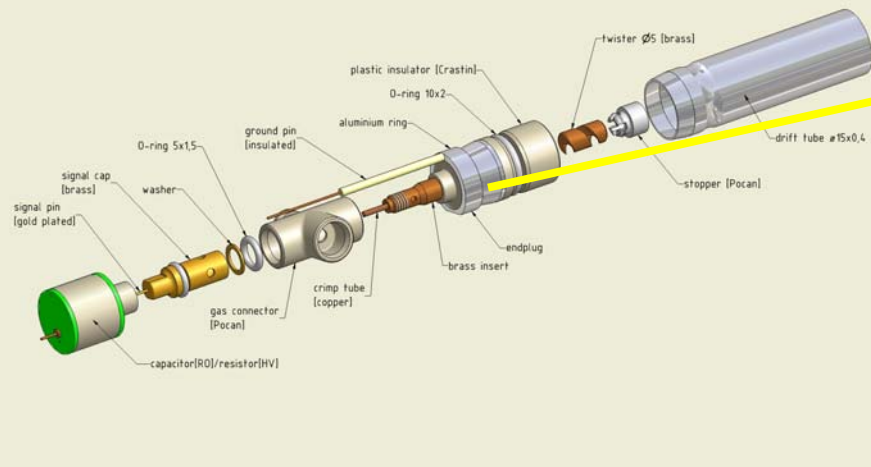


Project report ATLAS MDT II



Since 10 month we are testing the new design of the MDT II endplugs with good results.

Model of the complete endplug with gas system and electronic connectors

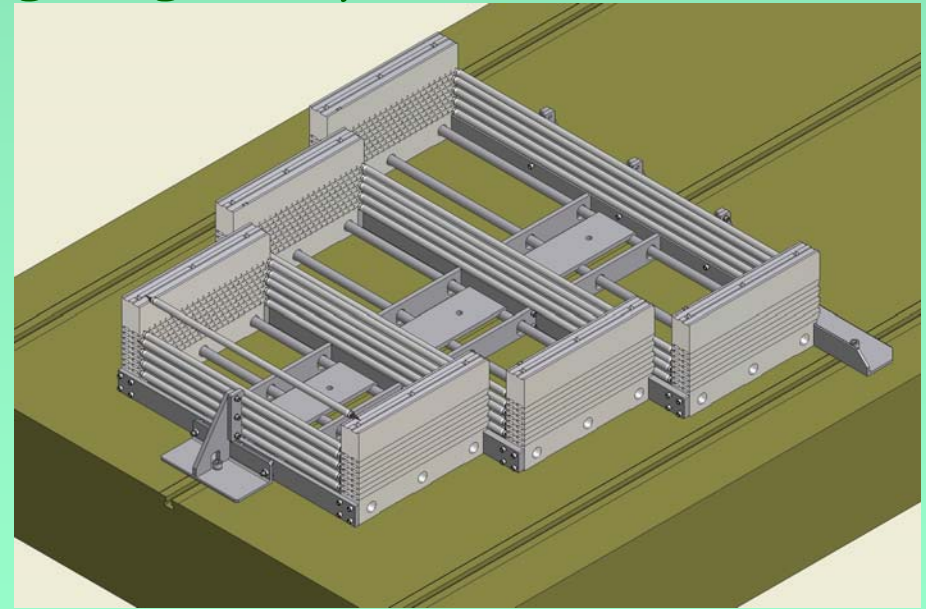
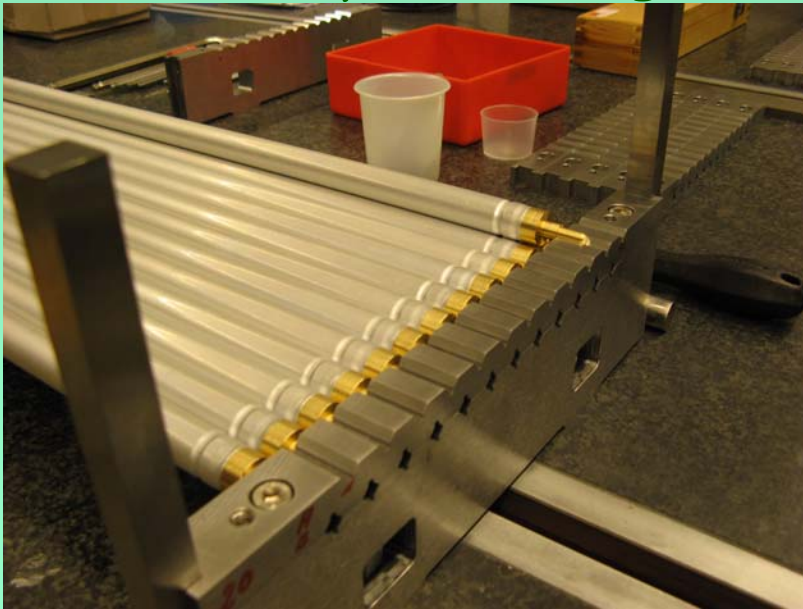


Project report ATLAS MDT II



Last year I showed the first test layout for the MDT II chamber gluing setup.

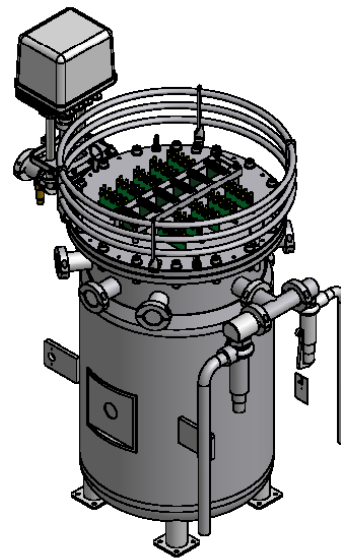
After a lot of additional tests, evaluation and pricing, the new complete design of a gluing setup is finished.



Project report ATLAS HEC II



For the HEC II cold electronic tests a cryogenic tank has been designed by MPP design engineers, manufactured and assembled in the mechanical workshop.



MAX-PLANCK-INSTITUT für Ph



Projekt:
Bezeichnung: 105-030400-110w
Datum: 10.12.2009
Name: Finenko
Datum: 10.12.2009



Project report GERDA



The GERDA lock will produced in a specialized welding company.



Project report GERDA



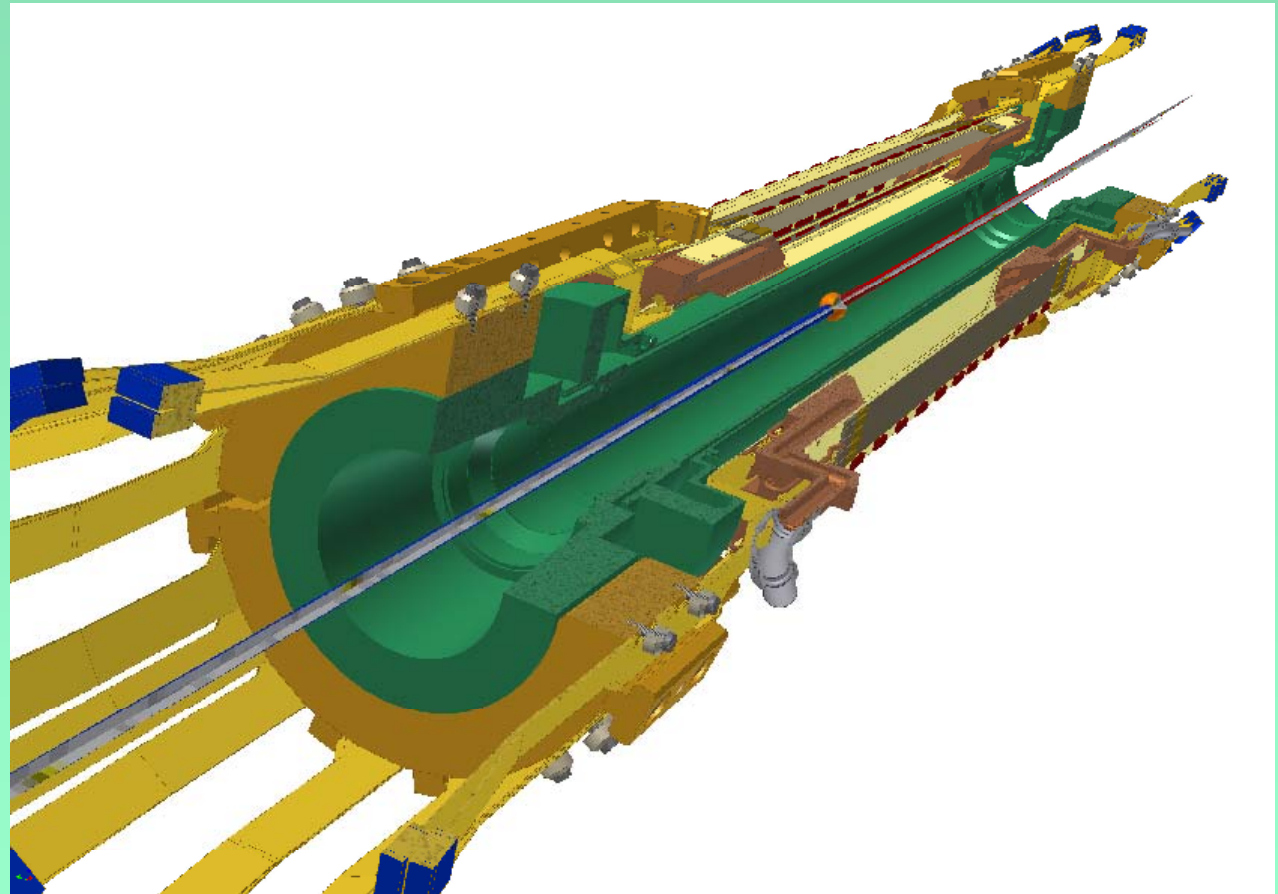
After some problems with the commissioning lock the finale assembly is in process. A lot of mechanical parts are produced and tested in our workshop.



Project report BELLE II



For this new project the mechanical model of the pixel detector is designed after a lot of iterations.



Project report



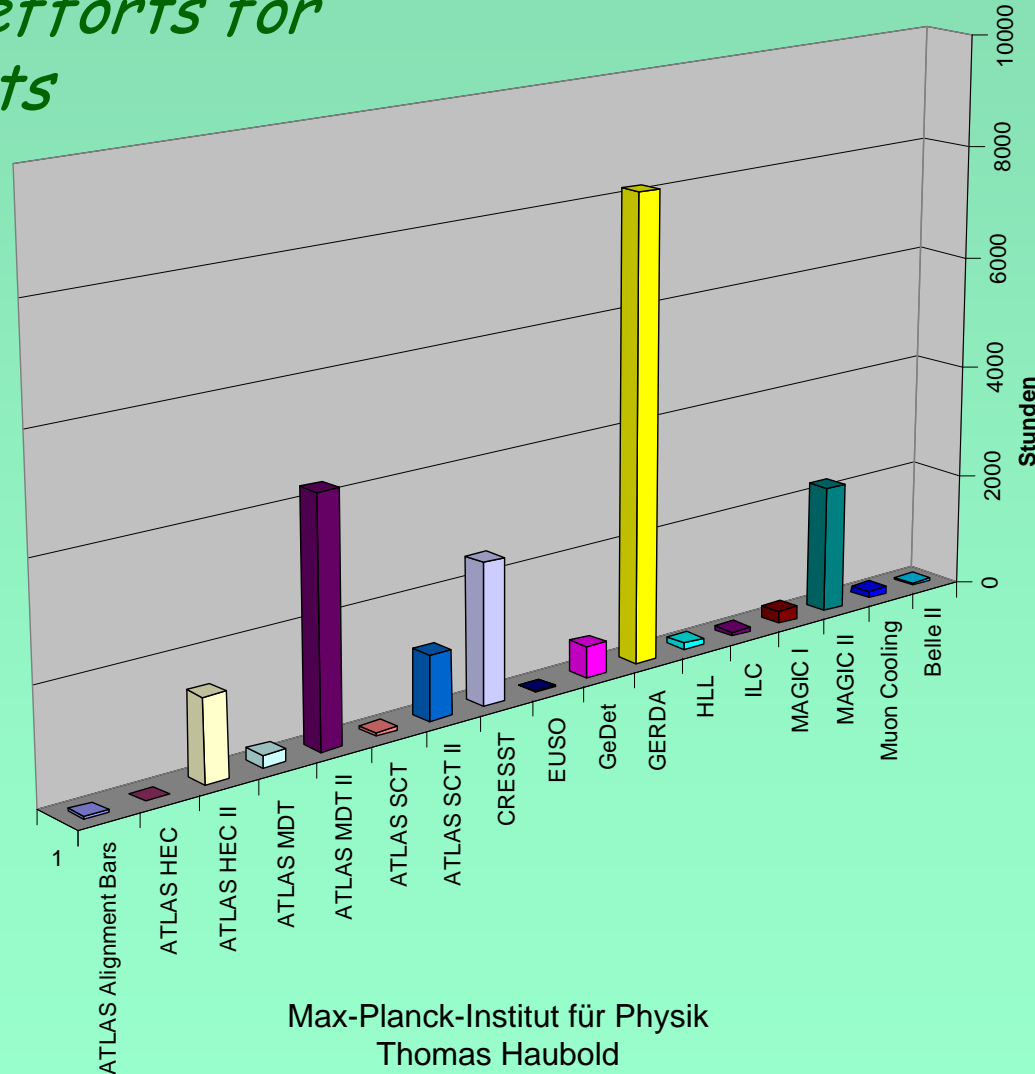
Money for Investment for two automatic lathes and two conventional lathes is requested.



statistics



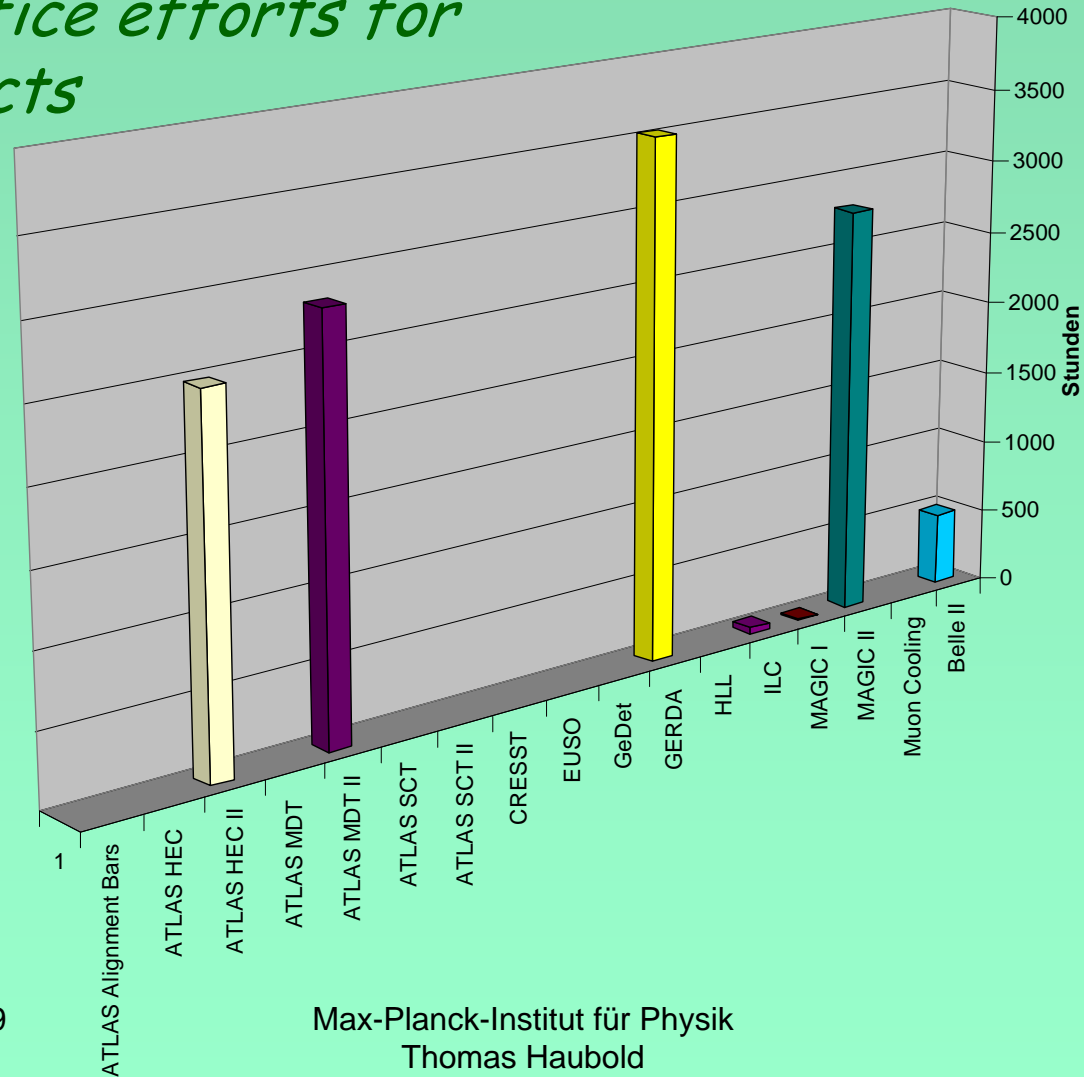
*workshop efforts for
the projects
in 2009*



statistics



*design office efforts for
the projects
in 2009*



statistics



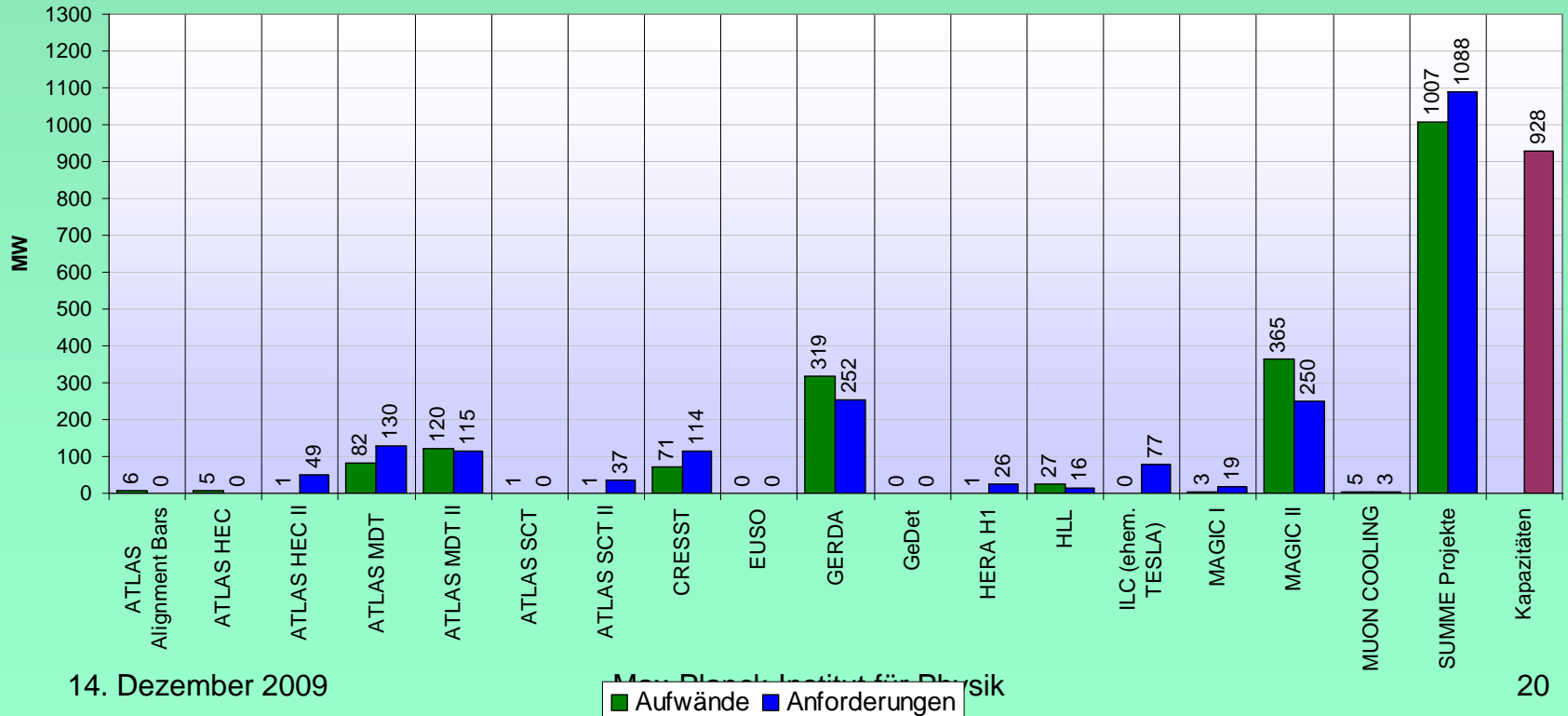
*The next slides will show you
a comparison of the project requirements
and efforts in 2007 to 2009.*

statistics



Mechanik Vergleich von Aufwänden und Anforderungen 2007

Blue = request
Green = effort



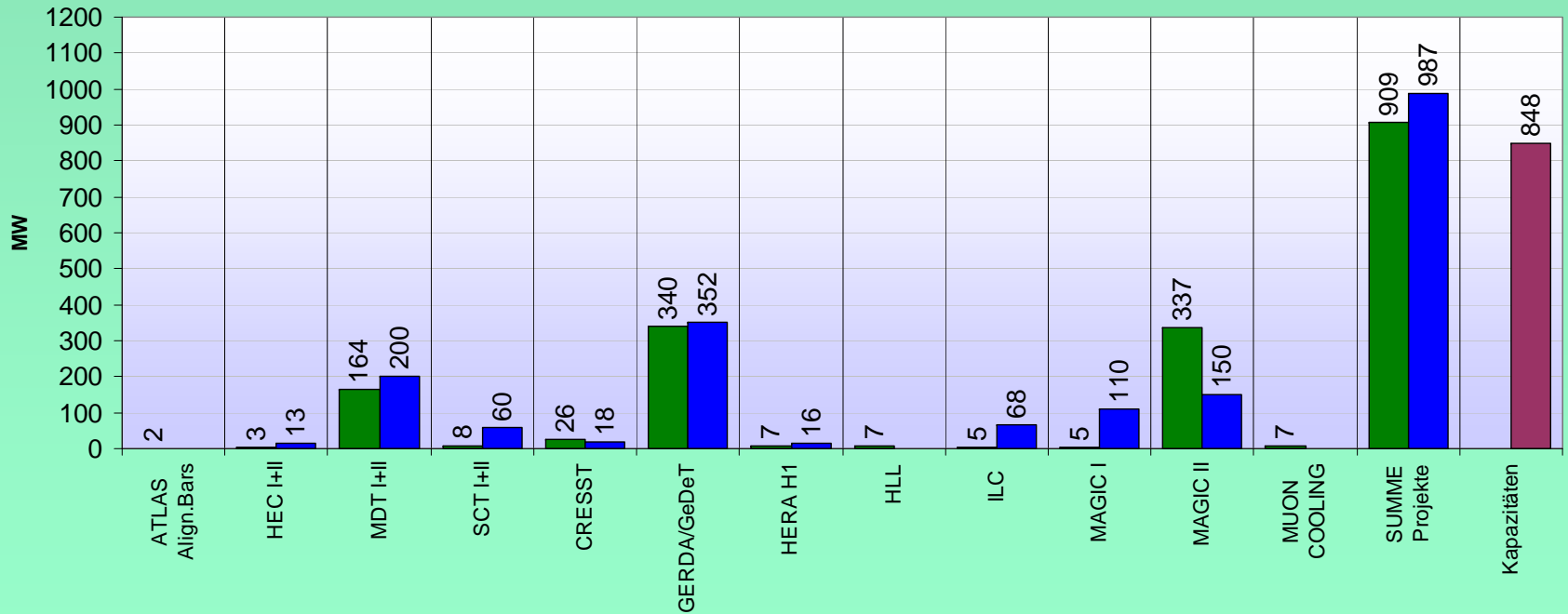
14. Dezember 2009

statistics



Mechanik Vergleich von Aufwänden und Anforderungen 2008

Blue = request
Green = effort



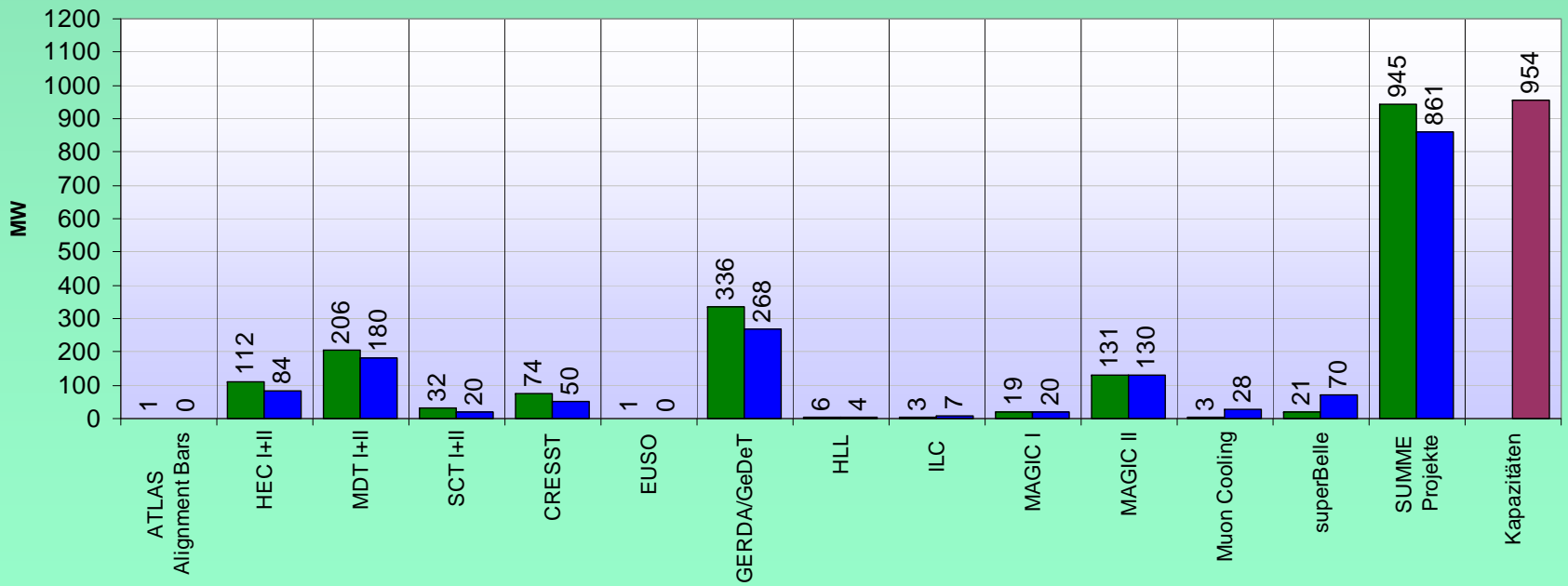
statistics



Mechanik

Vergleich von Aufwänden und Anforderungen 2009
(Stand 01.12.09)

Blue = request
Green = effort

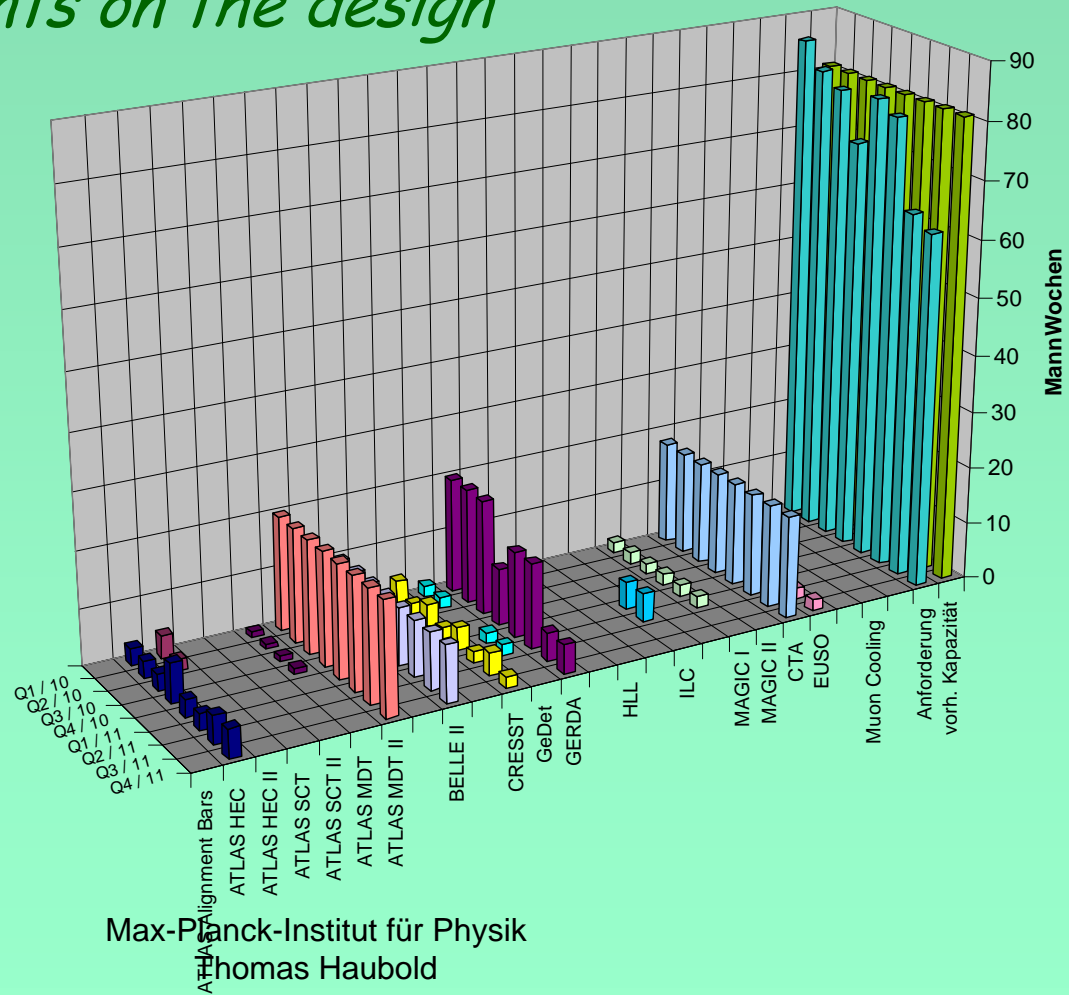


outlook



Anforderung an die Konstruktion

*Project requirements on the design
office for
2010 / 11*

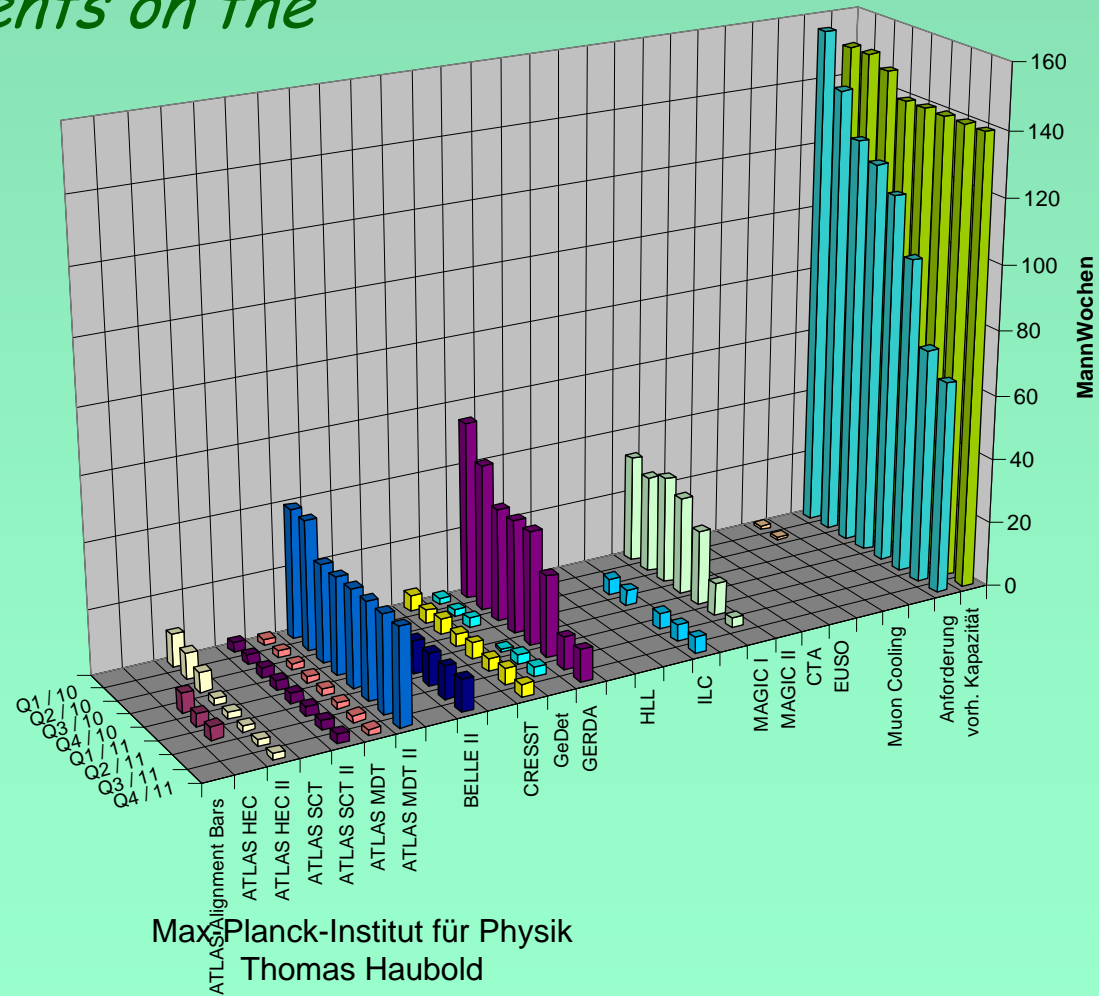


outlook



Anforderung an die Fertigung

Project requirements on the workshop for 2010 / 11





Thank you for your attention