

Project Presentations for Physics 10262 Physics Methods in Art and Archaeology

- **Radiography and Raman spectroscopy in the analysis of Vermeer painting techniques**

1. Mary Glennon,
2. Kathryn Mayka,
3. Shannon McNaught,
4. Nicholas Nowotarski



December 5, 2008

- **The Archimedes Palimpsest, X-ray fluorescence as a tool for deciphering ancient manuscripts**

1. Beatriz Almeida
2. Cassandra Burnham
3. Natalie Fang
4. Laura McGinn



December 5, 2008

- **PIXE applications in Mesoamerican pottery analysis**

1. Kelsey Falter
2. Stephanie House
3. Sarah Kimball
4. Anna Gabrielle O'Meara



December 5, 2008

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- **Fake and forgery, scientific methods to unmask forgeries by Han van Meegeren.**

5. Virginia Benz
6. David Bratton
7. Emily Cook
8. Barbara Johnson



December 8, 2008

- **The shroud of Turin, what are the uncertainties of ^{14}C dating**

1. Kjerstin Johnson
2. Margaret Kowieski
3. Meggie O'Keefe
4. Morgan Pino



December 8, 2008

- **The Vinland map, real or fake?**

1. Rebecca Amata
2. Shannon Chisholm
3. Anne Huntington
4. Julie Kirk



December 8, 2008

Project Presentations for Physics 10262

Physics Methods in Art and Archaeology

○ The origin of man, tracing the Neanderthal man

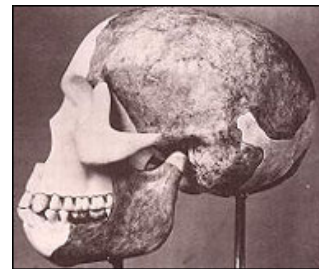
1. Alan Alaniz
2. Mary Cummins
3. Matthew Hentz
4. Eric Robinson



December 11, 2008

○ Piltdown Man, proof of fake?

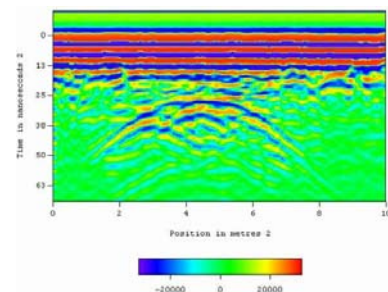
1. Laura Brown
2. Michael Gordon
3. Ellen Kozelka
4. Kerry Olinger



December 11, 2008

○ GPR sub-surface search techniques in archaeology

1. Kimberley Gaughan
2. Joseph Palascak
3. Tatiana Spragins
4. Ding Zhang



December 11, 2008

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- **The Alvarez experiment, cosmic ray search for hidden chamber on the Chephren pyramid.**

1. Jessica Bock
2. Emma Kessler
3. Francis Maritote
4. Christopher Masoud



December 11, 2008

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Physics Methods in Art and Archaeology

Requirements for each group project:

1. 10 minute power-point presentation or overheads (last week of classes)!
2. 10 page (or more) report with first version due on October 17 - (last class before break)!

The report and presentation should contain:

- short introduction into subject
 - description of the goal of scientific investigation
 - scientific method and technique
 - results of scientific investigation
 - conclusion
 - bibliography of used material (including web addresses)
 - attached copies of most relevant material/literature used
3. Participation of each member of the group should be demonstrated!