South East Physics Network (SEPnet)

Physics PhD Destination Data 2018
Where do physics PhD graduates go?

Who do physics PhD graduates work for?

- Royal Astronomical Society
- Natural History Museum
- Direct Line
- Actica
- Annalect
- KU-Lueven
- Power Photonic
- Messina Quantitative Research
- Just Eat
- Diamond
- Gravesend Boys School
- Sopra Banking Software
- Thales
- ASIDataScience
- Earth-i
- SCLElections
- Cambridge University Hospital
- Gatan
- British Gas
- NCSR Argos
- NATS
- Oxsensis
- Hastings Direct
- HSBC
- NPL
- Coherent
- ORH
- Deloitte
- DSTL
- Network Mapping
- Medical Physics Ltd
- Cambridge Consultants
- Centronic
- Mini Circuits
- Mathys & Squire LLP
- The Technology Partnership

For further information email employerengagement@sepnet.ac.uk
# Key skills/attributes employers look for in physics PhDs

- Good organisation skills
- Reliability and preparedness to work 8 hours a day
- Expert in their field
- Deep physics skills
- Practical understanding of theoretical implementation
- Understanding of industry
- Creativity
- Rigorously analytical mind-set
- Project lead in future
- Flexibility
- Experimental skills
- Spotting patterns, building and refining predictive models
- Good numerical coding ability
- Self-starter
- Self-motivated, learn new areas of applications quickly
- An enquiring mind
- Good logical and analytical thinking skills
- Persistence
- Attention to detail
- Apply theories to real world problems
- Excellent mathematical skills
- Good organisation skills
- Reliability and preparedness to work 8 hours a day
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## Examples of research area and job roles

<table>
<thead>
<tr>
<th>PhD</th>
<th>Job Role</th>
<th>Organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astrophysics</td>
<td>Data Scientist</td>
<td>Argos</td>
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<tr>
<td>Quantum Light and Matter</td>
<td>Laser Systems Engineer</td>
<td>Coherent</td>
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<tr>
<td>Condensed Matter</td>
<td>Production Test Engineer</td>
<td>Gatan</td>
</tr>
<tr>
<td>Nuclear Physics</td>
<td>Technical Assistant</td>
<td>Mathys &amp; Squire LLP</td>
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<tr>
<td>Solid State</td>
<td>GIS and LIDAR Analyst</td>
<td>Network Mapping</td>
</tr>
<tr>
<td>Particle Physics</td>
<td>Junior IT Consultant</td>
<td>Sopra Banking Software</td>
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<tr>
<td>Experimental Nuclear Physics</td>
<td>Insertion Device Physicist</td>
<td>Diamond Light source</td>
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<tr>
<td>Theoretical Physics</td>
<td>Data Scientist</td>
<td>HSBC</td>
</tr>
<tr>
<td>Nuclear Engineering</td>
<td>Nuclear Strategy Lead</td>
<td>NPL</td>
</tr>
<tr>
<td>Solid State</td>
<td>Curator, Petrology</td>
<td>Natural History Museum</td>
</tr>
<tr>
<td>Quantum Light and Matter</td>
<td>Optoelectronic Development Engineer</td>
<td>Oxsensis</td>
</tr>
<tr>
<td>Radiation and Medical Physics</td>
<td>Senior Radiosurgery Physicist</td>
<td>Medical Physics Ltd</td>
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