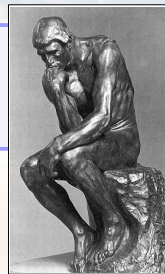


# SPIN-OFFS FROM HEP

There is an intrinsic value inherent in basic science; most people are happy to know that the Earth orbits the sun rather than vice versa, but the practical and economic benefits are compelling as well.



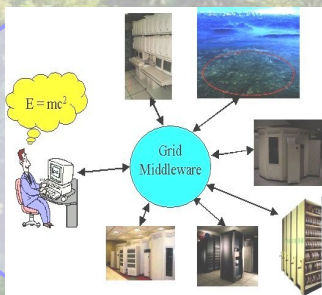
## A previous spin-off:

The WEB itself was invented for particle physics by Tim Berners-Lee working at CERN. Today the WEB is an indispensable part of daily life.



Less than 15 years after the WEB was invented

- \* There are more than 2.5 billion web pages
- \* 14 million people in the UK shopped online in 2001
- \* World-wide \$127 billion was spent online in 2000

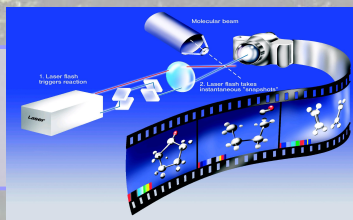


## Spin-off from the LHC:

Particle Physicists and CERN are now working on a new development called the GRID. The WEB allowed people to share information over the internet, the GRID allows sharing of computer resources and will cause a revolution in many fields as far apart as game consoles and artificial intelligence as well as cutting-edge science.

## Spin-off from the ILC:

The Light of a New Millenium: A revolutionary new light source for applied sciences: new insights into the facets of nature and life.



Aside from fundamental knowledge and spin-offs, investment in basic science provides technologically and mathematically literate people able to drive innovation in diverse fields such as IT, finance and industrial research and development.