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Analyzing the research funding in physics: The perspective of production and collaboration at institution level

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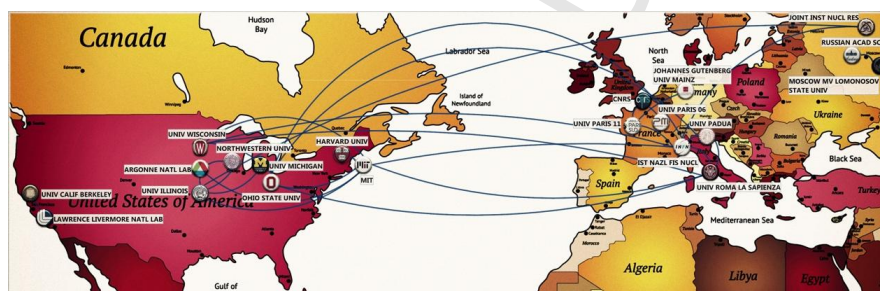
## \*Highlights (for review)

we explore the features of funding on institutions by using a dataset of 117,916 SCI-indexed papers in physics.

We find that, for the institutions in physics, research funding is associated with the publication impact, production of high-impact papers, and lower ratio of uncited papers.

The funded collaboration network of physics institutions is mainly consisted of Europe and US subgroups, while China, Japan, and South Korea are also constructing an emerging collaboration subgroup in East Asia with the support of funding.

The data shows that research funding can enhance the intensity of collaboration between institutions and their major partners.



The high-strength funded collaboration links of physics in 'Europe-US' sub-groups

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