QUIZ: Women Scientists who made Nuclear Astrophysics

This Quiz is based on the NIC poster of the same title in which we present a selection of twelve outstanding women who helped develop nuclear astrophysics - some famous, some less so. The final aim is to produce a calendar, which will be translated into several languages.

This project is developed as part of the COST Action ChETEC (chetec.eu, CA16117).

Who discovered two chemical elements. A. Marie Curie B. Lise Meitner C. Margaret Burbidge	, polonium and radium? D. Beatrice Hill Tinsley E. Maria Goeppert Mayer	 11. She invented and developed a fleet of r operated one of the x-ray vehicles on the W A. Marie Curie B. Stefania Mărăcineanu C. Dilhan Ezer Eryurt 	
2 She did pioneering research on the theory A. Edith Alice Muller B. Margaret Burbidge C. Dilhan Ezer Eryurt	y of stellar nucleosynthesis. D. Georgeanne Caughlan E. Erika Böhm-Vitense	12. Who worked for the Manhattan project? A. Cecilia Payne-Gaposchkin B. Maria Goeppert Mayer C. Erika Böhm-Vitense	D. Georgeanne Caughlan E. Beatrice Hill Tinsley
3. Her most significant scientific achievement is the theoretical explanation			
of nuclear fission. A. Maria Goeppert Mayer B. Georgeanne Caughlan C. Lise Meitner	D. Toshiko Yuasa E. Dilhan Ezer Eryurt	13. Who won a Nobel Prize in Chemistry inA. Margaret BurbidgeB. Maria Goeppert MayerC. Marie Curie	1911? D. Erika Böhm-Vitense E. Lise Meitner
4. She obtained a fellowship at the Radium Marie Curie after a career teaching in second. Lise Meitner B. Beatrice Hill Tinsley C. Maria Goeppert Mayer		14. She discovered a number of radioactivA. Edith Alice MullerB. Toshiko YuasaC. Maria Goeppert Mayer	e isotopes, such as Pa-231. D. Lise Meitner E. Stefania Mărăcineanu
5. Who worked with Frédéric Joliot-Curie or A. Stefania Mărăcineanu B. Lise Meitner C. Maria Goeppert Mayer	n artificial radioactivity? D. Cecilia Payne-Gaposchkin E. Toshiko Yuasa	15. Who was the first woman to chair a depA. Maria Goeppert MayerB. Georgeanne CaughlanC. Margaret Burbidge	D. Stefania Mărăcineanu E. Cecilia Payne-Gaposchkin
6. The first woman to be appointed General Astronomical Union (IAU). A. Cecilia Payne-Gaposchkin B. Dilhan Ezer Eryurt	D. Toshiko Yuasa E. Edith Alice Muller	16. Her work on magic numbers won her thA. Marie CurieB. Lise MeitnerC. Toshiko Yuasa	e Nobel Prize in 1963. D. Georgeanne Caughlan E. Maria Goeppert Mayer
C. Margaret Burbidge	L. Luiti Alice Mullel	17. Who discovered that hydrogen and helium are much more abundant i stars than all other chemical elements?	
7. She obtained her PhD in Physics at the aA. Cecilia Payne-GaposchkinB. Edith Alice MullerC. Dilhan Ezer Eryurt	age of 48, after raising 5 children. D. Georgeanne Caughlan E. Erika Böhm-Vitense	A. Edith Alice Muller B. Dilhan Ezer Eryurt C. Toshiko Yuasa	D. Cecilia Payne-Gaposchkin E. Beatrice Hill Tinsley
·		18. She studied the rates at which nuclei inside stars combine to produce	
8. She worked on the observation and theoA. Georgeanne CaughlanB. Margaret BurbidgeC. Edith Alice Muller	ry of the solar atmosphere. D. Beatrice Hill Tinsley E. Cecilia Payne-Gaposchkin	new nuclei. A. Edith Alice Muller B. Dilhan Ezer Eryurt C. Georgeanne Caughlan	D. Margaret Burbidge E. Beatrice Hill Tinsley
9. Her work was considered revolutionary with the discovery that the Universe was in a state of infinite expansion.		19. She was the first scientist to accurately describe convective mixing in stellar interiors.	
A. Margaret Burbidge B. Beatrice Hill Tinsley C. Edith Alice Muller	D. Cecilia Payne-Gaposchkin E. Erika Böhm-Vitense	A. Edith Alice Muller B. Erika Böhm-Vitense C. Dilhan Ezer Eryurt	D. Cecilia Payne-Gaposchkin E. Beatrice Hill Tinsley
10. She received the Apollo Achievement Acontributions to the first landing on the Moo A. Dilhan Ezer Eryurt B. Margaret Burbidge C. Edith Alice Muller		20. The first woman president of the AmericA. Margaret BurbidgeB. Erika Böhm-VitenseC. Cecilia Payne-Gaposchkin	can Astronomical Society. D. Marie Curie E. Beatrice Hill Tinsley