* **Sir Arthur Stanley Eddington**(1882-1943)

Poznat po ekspediciji za promatranje pomračenja Sunca 1919 god.Štimovao je rezultate kako bi dokazao da je TR ispravna. Tako su tvrdili neki članovi ekipe nakon što je umro.Zahvaljujući tom „dokazu“i kampanji nakon toga,Ajnštajn je nominiovan za Nobelovu nagradu.

Karijera mu je nevjerovatno brzo napredovala. Diplomirao fiziku u 1902.

U 1906, Eddington je bio nominiran na mjesto glavnog pomoćnika [astronom Royal](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Astronomer_Royal&usg=ALkJrhgpRA8cSfQ92O55rVvVGJfiwT-4NQ) u [Royal Greenwich Observatory](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Royal_Greenwich_Observatory&usg=ALkJrhhAtVnf8FRrG76WUql_NFLJUQl_Eg) ….1912 [George Darwin](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/George_Darwin&usg=ALkJrhhko-PJOY_DidiSjYdg-unjOgF20Q" \o "George Darwin) , sin [Charlesa Darwina](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Charles_Darwin&usg=ALkJrhgl-eWvNm4mrOyG9UFSTFpOJTn7uQ) , je iznenada umro i Eddington je napredovao. Kasnije te godine umro [Robert Ball](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Robert_Stawell_Ball&usg=ALkJrhhCJYuGuSNxKjju9rZwbPe-kJ8s1w), pa je Eddington imenovan za direktora cijelog [Cambridge Opservatorij](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Cambridge_Observatory&usg=ALkJrhjSBsBc4oJOSGpzCe8rDJ83ons7DQ)a. 1914, bio je izabran u kraljevsko naučno udruženje i osvojio svoju prvu nagradu. U narednim godinama postao je počasni član svega mogućeg,dobio titulu Sir i pokupio gomilu nagrada i priznanja.

Eddington je istraživao ​​procese u [zvijezda](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Star&usg=ALkJrhiAZsUIu8qlUEgfwDapUM6XRchbBQ)ma,uglavnom intuitivno,matematičko filozofskim metodama. Počeo je to 1916 s istragama mogućih fizičkih objašnjenja za varijabilne zvijezde. On je razvio svoj matematički model svjestan nedostataka i čvrstih temelja za razumijevanje nastanka energije u zvjezdanoj unutrašnjosti. Zahvaljujući autoritetu koji je stekao svojim položajem uspio je odbaciti sve kritike.

U procesu izrade svoje zvjezdane modele, on je tražio da se preokrene trenutno razmišljanje o izvorima zvjezdane energije. To je bio [Kelvin-Helmholtz mehanizam](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Kelvin%25E2%2580%2593Helmholtz_mechanism&usg=ALkJrhiml6QNNu_C8no2ds0yEqO6hCwv4w" \o "Kelvin-Helmholtz mehanizam) , koji se temelji na klasičnoj mehanici.Eddington je nametnuo model pretvorbe materije u energiju pri nuklearnoj fuziji.

. Eddingtonova teorija se pojavila u zrelijem obliku 1926*.Odmah je* postala važan tekst za obuku narednih generacija astrofizičara.

**Nagrade**

* [Smith nagrada](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Smith%27s_Prize&usg=ALkJrhjpuGWK8s54QJeMj5GE8zNf9ZoxOQ) (1907)
* [Bruce medalja](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Bruce_Medal&usg=ALkJrhi_2aEvYD3fWHBXIV2d9pPbDl7Eog) od astronomskog društva na Pacifiku (1924)
* [Henry Draper medalja](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Henry_Draper_Medal&usg=ALkJrhiiGM8-5Us2BkWr6O8Dn5_S6KrUew) na [National Academy of Sciences](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/United_States_National_Academy_of_Sciences&usg=ALkJrhiTrop11OtqEgahGWc2_WwwqIprBg) (1924)
* [Zlatna medalja u Royal Astronomskog društva](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Gold_Medal_of_the_Royal_Astronomical_Society&usg=ALkJrhi3pt1hOKlGKxFjoupo4dV-3NQlOw) (1924)
* [Prix ​​Jules Janssen](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Prix_Jules_Janssen&usg=ALkJrhiNgunP_SYoo8ugShxy-M0K5EeM9Q) je francuski astronomskog društva (1928)
* [Royal medalja](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Royal_Medal&usg=ALkJrhjc5h6o8NGdCmvHWugGBBYsZdKblw" \o "Royal medalja) u [Royal Society](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Royal_Society&usg=ALkJrhh5tjEYOPLqAtE140OMCHj3IyXmKw) (1928)
* Viteštva (1930)
* [Red Merit](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Order_of_Merit_%28Commonwealth%29&usg=ALkJrhh_Qfqjo-L-bvYCjstkWwdG8B0TBw) (1938)
* Hon. Freeman od [Kendal](http://translate.googleusercontent.com/translate_c?depth=1&ei=UbzFUNDpDcqF4gSzrYAY&hl=hr&prev=/search%3Fq%3Dsir%2Barthur%2Beddington%26hl%3Dhr%26tbo%3Dd%26biw%3D640%26bih%3D431&rurl=translate.google.ba&sl=en&twu=1&u=http://en.wikipedia.org/wiki/Kendal&usg=ALkJrhjBgmsYwB_JFOIUGP_uexpEWhEXXA) , 1930