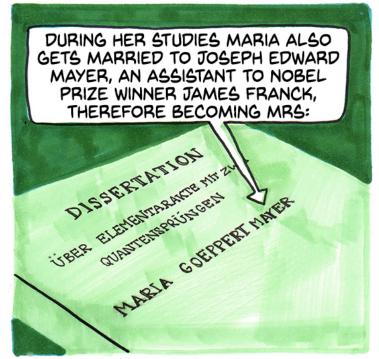


*FRAUENSTUDIUM: PRIVATE SCHOOL RUN BY GERMAN SUFFRAGETTES WITH THE AIM TO HELP WOMEN GET READY FOR THE UNIVERSITY ACCESS EXAMINATION



*THE GERMAN LANGUAGE DISTINGUISHES BETWEEN GENDERS. NEVERTHELESS, MARIA SAYS "PROFESSOR" AND NOT "PROFESSORIN" (FEMALE PROFESSOR), USING THE MALE VERSION TO REFER TO HERSELF.



MAX BORN -NOBEL 1954JAMES FRANCK -NOBEL 1925-

Tell us about your PhD thesis: the two-photon absorption process. ADOLF OTTO REINHOLD WINDAUS -NO BEL 1928 -



An electron
in an atom or a
molecule has to absorb
energy in order to get
excited and jump to the
next available state.
Normally, this happens by
absorption of a single
photon, i.e., a quantum
of light: the electron
can jump by an amount
equal to the photon
energy...

BELL TELEPHONES LABORATORIES, MURRAY HILL, NEW JUERSEY 1961

WOLFGANG

GEOFFREY GARRETT

However, the electron might absorb two photons at the same time, such that the electron acquires an energy equal to the sum of both photon energies...



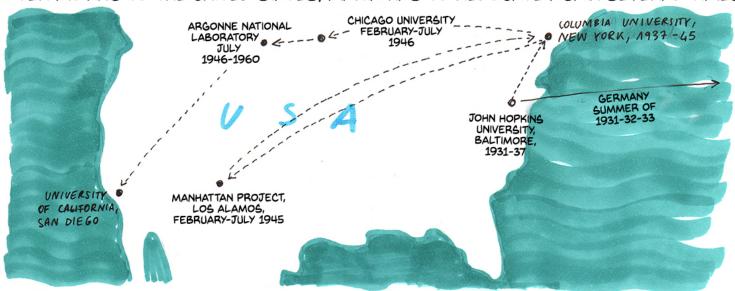
In my dissertation
I computed the probability of this process, or its cross section to be precise.

She was right!

IN MARIA'S HONOR, THE UNIT OF MEASUREMENT FOR THE CROSS SECTION OF THIS PROCESS IS NAMED GM (GOEPPERT-MAYER).



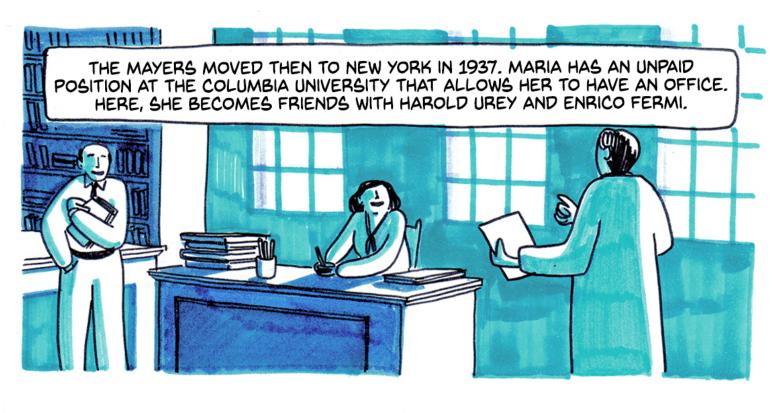
AFTER MOVING TO THE UNITED STATES, MARIA HAS TO RELOCATE AGAIN SEVERAL TIMES:



IN 1933, MARIA'S VISITS TO GERMANY, TO WORK WITH MAX BORN, ARE INTERRUPTED BECAUSE OF HITLER'S RISE TO POWER. MARIA COLLABORATES WITH KARL HERZFELD AND THE TWO OF THEM ARE ACTIVE IN HELPING GERMAN REFUGEES.



Keep calm, it just means we'll have to move again.













FOLLOWING FERMI'S ADVICE, MARIA STUDIES TRANSURANIUM ELEMENTS (HEAVIER THAN URANIUM). SHE PREDICTS THEY HAVE TO FORM A SERIES LIKE THAT OF THE RARE EARTHS. THIS PREDICTION WILL TURN OUT TO BE TRUE, TOO.



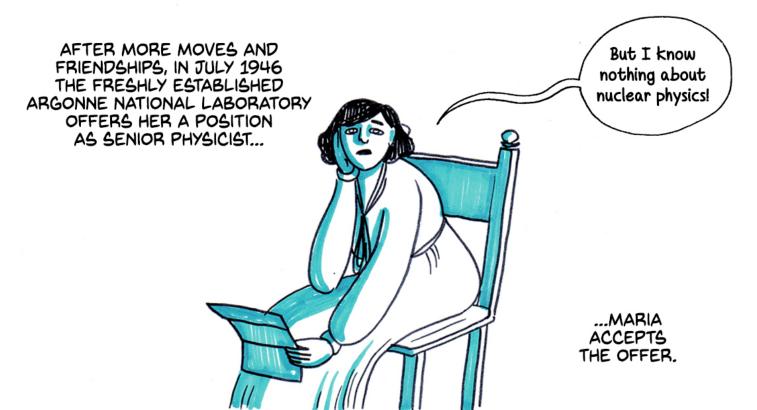












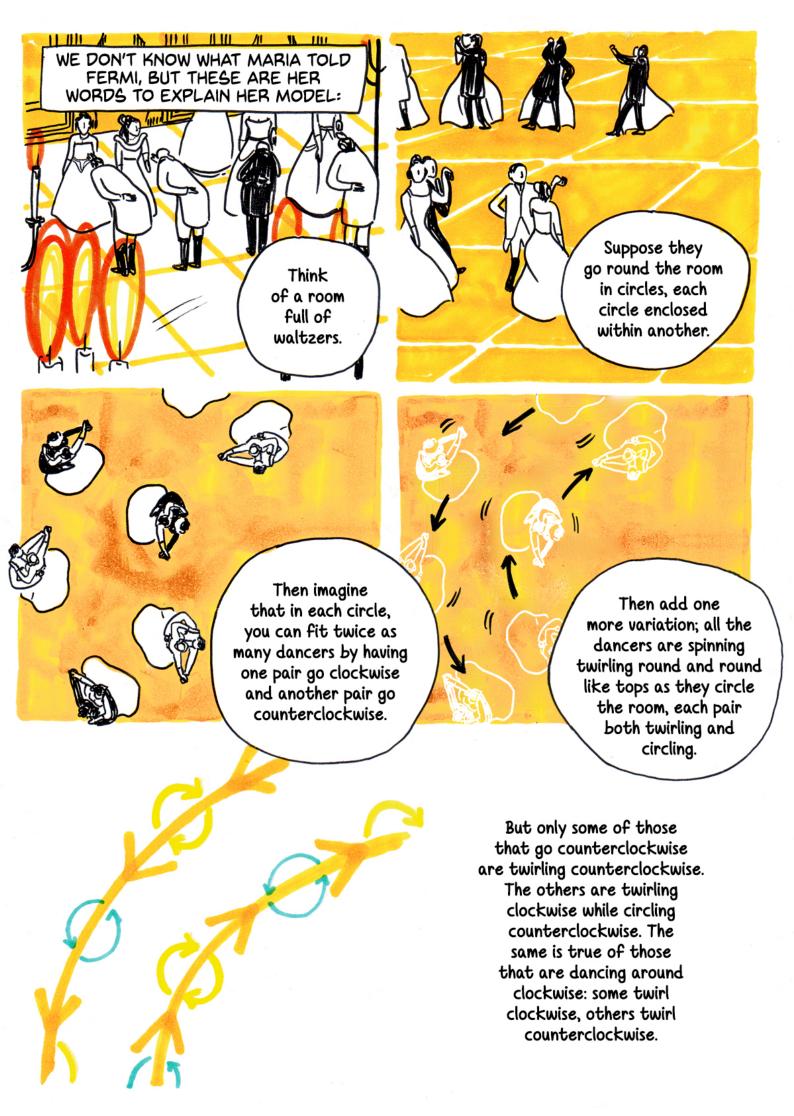












he San Brego uni

SAN DIEGO, CALIFORNIA, MONDAY MORNING, JUNE 17, 1963

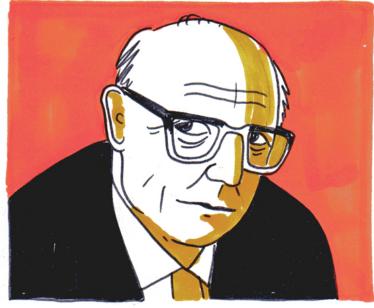
inaTaKes rd Line On et TalKs

S.D. Mother Wins I



THE LOCAL NEWSPAPER HEADLINES: "S.D. MOTHER WINS NOBEL PRIZE". FOR THE JOURNALISTS, MARIA IS STILL FIRST A MOTHER, THEN A SCIENTIST, EVEN AFTER WINNING THE NOBEL PRIZE.





MARIA SHARES THE PRIZE WITH EUGENE PAUL WIGNER (HALF) AND J. HANS D. JENSEN, WHO MARIA SHARES THE SECOND HALF OF THE PRIZE WITH.

OUT OF 111 NOBEL PRIZES IN PHYSICS, ONLY TWO HAVE BEEN AWARDED TO WOMEN.



AS OF TODAY,
IT'S BEEN 54
YEARS SINCE THE
LAST WOMAN
RECEIVED
THE PRIZE.

ENGLISH TRANSLATION BY: CLIÒ AGRAPIDIS