

Association EURATOM-IPPLM
ANNUAL REPORT 2011

Association EURATOM-IPPLM
ANNUAL REPORT 2011

This work, supported by the EURATOM Community, was carried out under the Contract of Association N° FU07-CT-2007-00061 between EURATOM and the Institute of Plasma Physics and Laser Microfusion and within the framework of the European Fusion Development Agreement

Warsaw
2012

ANNUAL REPORT 2011 of the
ASSOCIATION EURATOM-IPPLM
covers the period
1 January to 31 December 2011

Editors R. Zagórski
A. Gałkowski
H. Howaniec
Layout D. Błoniarz-Łuczak

Available from the Institute of Plasma Physics and Laser Microfusion,
Hery 23, 01-497 Warsaw, Poland.
Copying is welcomed, provided the source is acknowledged
and an archive copy is sent to IPPLM.

ASSOCIATION EURATOM-IPPLM
23 Hery Str., 01-497 Warsaw, Poland

Tel. + 48 22 6381460
Fax + 48 22 6668372
E-mail office@ipplm.pl
Web www.ipplm.pl

Contents

1	Preface	7
2	General Information	9
3	Physics and Technology of Fusion	15
	3.1 <i>Integrated Tokamak Modelling</i>	17
	3.2 <i>Plasma-Wall Interaction</i>	20
	3.3 <i>Development of material science and advanced materials for DEMO</i>	23
	3.4 <i>Fusion plasma diagnostics</i>	27
	3.5 <i>Inertial fusion energy “keep-in-touch” activity</i>	31
4	Wendelstein 7-X and ITER	33
	4.1 <i>Contribution to the W7-X project</i>	34
	4.2 <i>Contribution to ITER</i>	37
5	JET Notifications	41
6	Socio-economic Research	47
7	Public Information	50
8	Conferences, training and education activities	53
9	Contribution to conferences and workshops	54
10	Publications	58
	Index	62

